Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  OCT 04  Precision of EMBASE searching enhanced with new
                  chemical name field
 NEWS  3  OCT 06  Increase your retrieval consistency with new formats  or
                  for Taiwanese application numbers in CA/CAplus.
 NEWS  4  OCT 21  CA/CAplus kind code changes for Chinese patents
                  increase consistency, save time
 NEWS  5  OCT 22  New version of STN Viewer preserves custom
                  highlighting of terms when patent documents are
                  saved in .rtf format
 NEWS  6  OCT 28  INPADOCDB/INPAFAMDB: Enhancements to the US national
                  patent classification.
 NEWS  7  NOV 03  New format for Korean patent application numbers in
                  CA/CAplus increases consistency, saves time.
 NEWS  8  NOV 04  Selected STN databases scheduled for removal on
                  December 31, 2010
 NEWS  9  NOV 18  PROUSDDR and SYNTHLINE Scheduled for Removal
                  December 31, 2010 by Request of Prous Science
 NEWS 10  NOV 22  Higher System Limits Increase the Power of STN
                  Substance-Based Searching
 NEWS 11  NOV 24  Search an additional 46,850 records with MEDLINE
                  backfile extension to 1946
 NEWS 12  DEC 14  New PNK Field Allows More Precise Crossover among STN
                  Patent Databases
 NEWS 13  DEC 18  ReaxysFile available on STN
 NEWS 14  DEC 21  CAS Learning Solutions -- a new online training experience
 NEWS 15  DEC 22  Value-Added Indexing Improves Access to World Traditional
                  Medicine Patents in CAplus
 NEWS 16  JAN 24  The new and enhanced DPCI file on STN has been released

 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
          AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
```

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:56:48 ON 25 JAN 2011

```
=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.23       0.23

FILE 'REGISTRY' ENTERED AT 09:57:21 ON 25 JAN 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   24 JAN 2011  HIGHEST RN 1260364-77-9
DICTIONARY FILE UPDATES:  24 JAN 2011  HIGHEST RN 1260364-77-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.51       0.74

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:57:30 ON 25 JAN 2011

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:02:41 ON 25 JAN 2011
FILE 'REGISTRY' ENTERED AT 10:02:41 ON 25 JAN 2011
COPYRIGHT (C) 2011 American Chemical Society (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.51       0.74

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10575122\10575122 amended claim 1 genus.str
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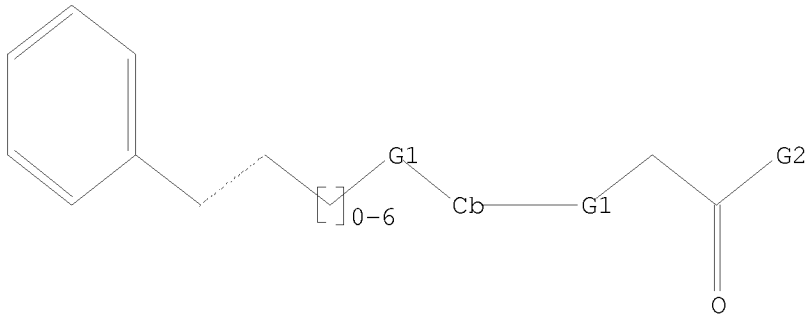
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N

G2 O,N

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 10:07:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 248269 TO ITERATE

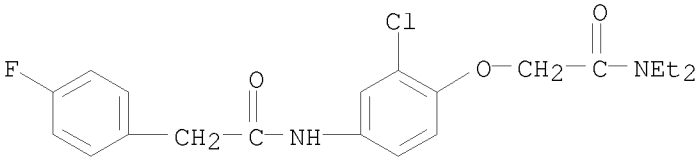
100.0% PROCESSED 248269 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4936111 TO 4994649
PROJECTED ANSWERS: 32394 TO 37406

L2 50 SEA SSS SAM L1

=> d scan

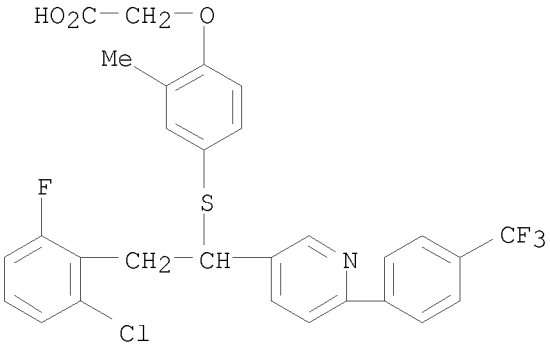
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Benzeneacetamide, N-[3-chloro-4-[2-(diethylamino)-2-oxoethoxy]phenyl]-4-fluoro-
MF C20 H22 Cl F N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

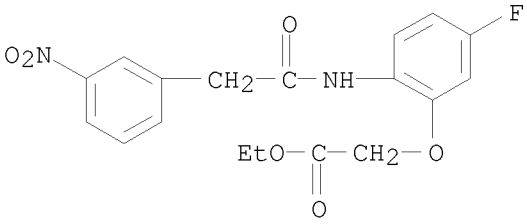
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[2-(2-chloro-6-fluorophenyl)-1-[6-[4-(trifluoromethyl)phenyl]-3-pyridinyl]ethyl]thio]-2-methylphenoxy]-, potassium salt (1:1)
MF C29 H22 Cl F4 N O3 S . K



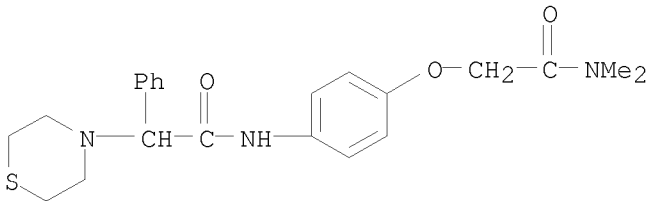
K

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[5-fluoro-2-[[2-(3-nitrophenyl)acetyl]amino]phenoxy]-, ethyl ester
MF C18 H17 F N2 O6



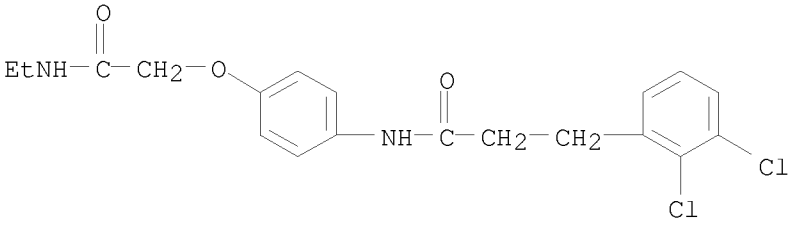
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN 4-Thiomorpholineacetamide, N-[4-[2-(dimethylamino)-2-oxoethoxy]phenyl]-α-phenyl-
MF C22 H27 N3 O3 S



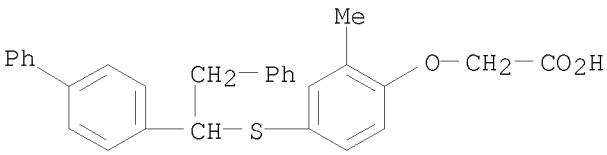
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Benzenepropanamide, 2,3-dichloro-N-[4-[2-(ethylamino)-2-oxoethoxy]phenyl]-
MF C19 H20 Cl2 N2 O3



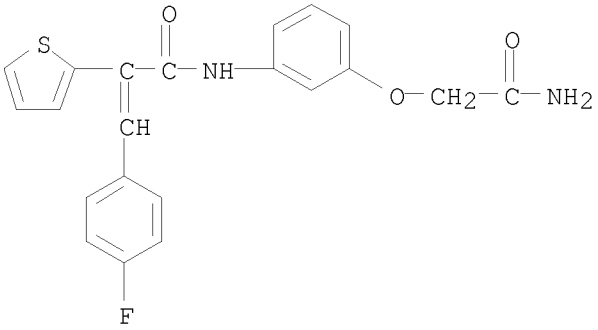
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[(1-[1,1'-biphenyl]-4-yl-2-phenylethyl)thio]-2-methylphenoxy]-
MF C29 H26 O3 S
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

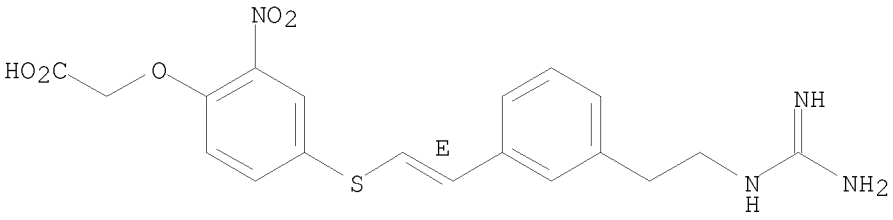
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN 2-Thiopheneacetamide, N-[3-(2-amino-2-oxoethoxy)phenyl]-α-[(4-fluorophenyl)methylene]-
MF C21 H17 F N2 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

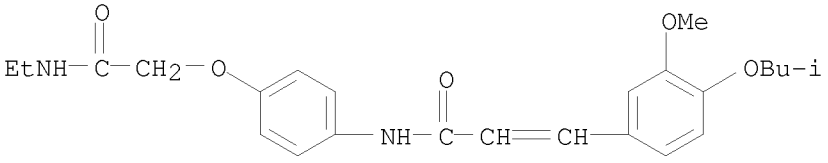
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C19 H20 N4 O5 S

Double bond geometry as shown.



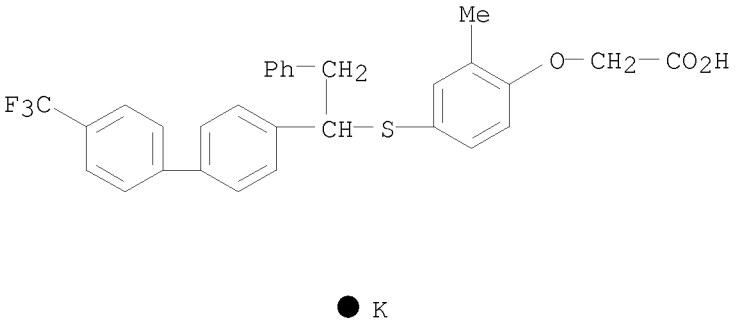
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN 2-Propenamide, N-[4-[2-(ethylamino)-2-oxoethoxy]phenyl]-3-[3-methoxy-4-(2-methylpropoxy)phenyl]-
MF C24 H30 N2 O5

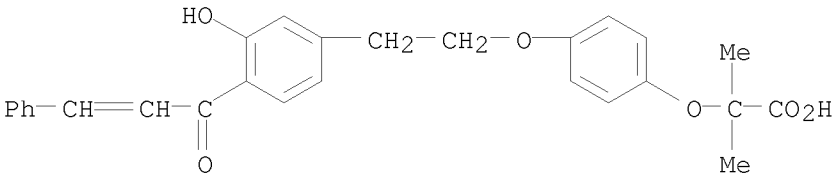


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-methyl-4-[[2-phenyl-1-[4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]ethyl]thio]phenoxy]-, potassium salt (1:1)
MF C30 H25 F3 O3 S . K

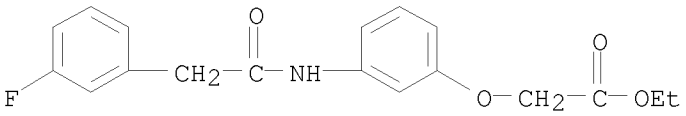


L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Propanoic acid, 2-[4-[2-[3-hydroxy-4-(1-oxo-3-phenyl-2-propen-1-yl)phenyl]ethoxy]phenoxy]-2-methyl-
MF C27 H26 O6



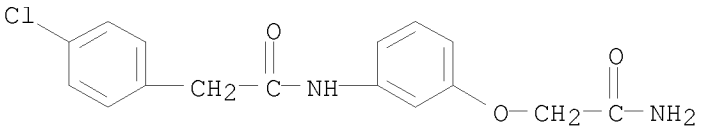
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[3-[[2-(3-fluorophenyl)acetyl]amino]phenoxy]-, ethyl ester
MF C18 H18 F N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

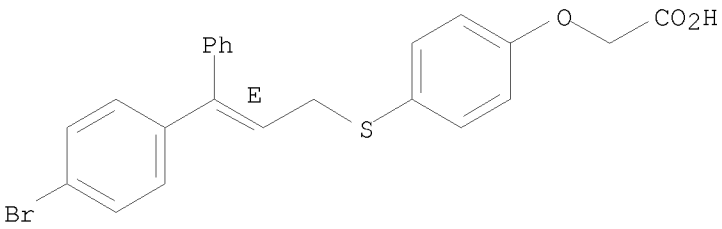
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Benzeneacetamide, N-[3-(2-amino-2-oxoethoxy)phenyl]-4-chloro-
MF C16 H15 Cl N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

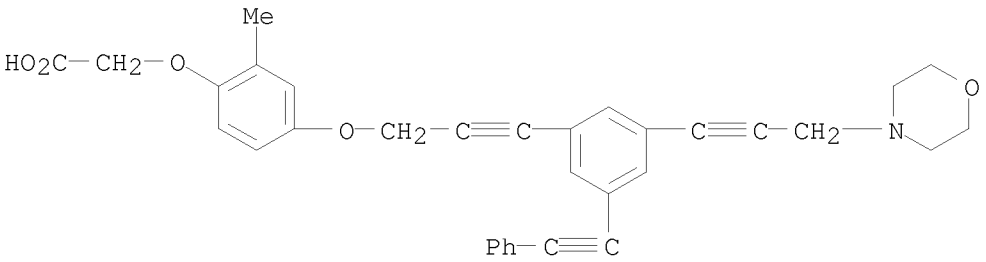
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2E)-3-(4-bromophenyl)-3-phenyl-2-propen-1-yl]thio]phenoxy]-
MF C23 H19 Br O3 S

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-methyl-4-[[3-[3-[3-(4-morpholinyl)-1-propyn-1-yl]-5-(2-phenylethynyl)phenyl]-2-propyn-1-yl]oxy]phenoxy]-
MF C33 H29 N O5

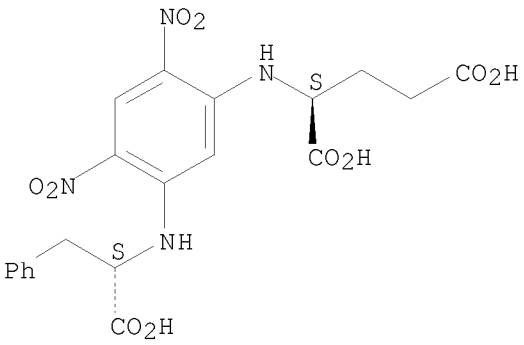


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN L-Glutamic acid, N-[5-[[(1S)-1-carboxy-2-phenylethyl]amino]-2,4-dinitrophenyl]-

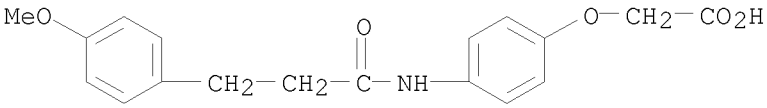
MF C20 H20 N4 O10

Absolute stereochemistry.



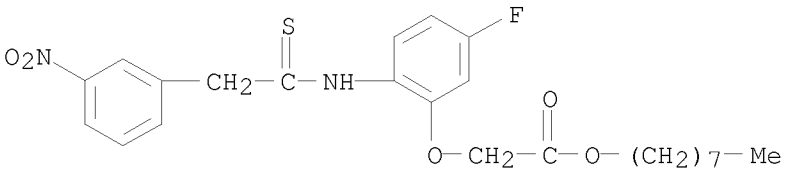
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[3-(4-methoxyphenyl)-1-oxopropyl]amino]phenoxy]-
MF C18 H19 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[5-fluoro-2-[[2-(3-nitrophenyl)-1-thioxoethyl]amino]phenoxy]-, octyl ester
MF C24 H29 F N2 O5 S

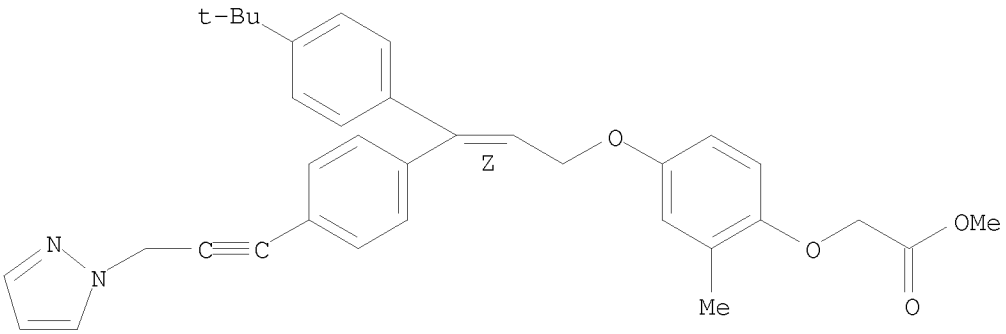


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2Z)-3-[4-(1,1-dimethylethyl)phenyl]-3-[4-[3-(1H-pyrazol-1-yl)-1-propyn-1-yl]phenyl]-2-propen-1-yl]oxy]-2-methylphenoxy]-,

methyl ester
MF C35 H36 N2 O4

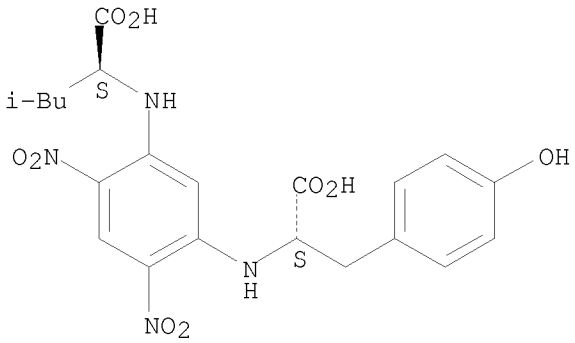
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

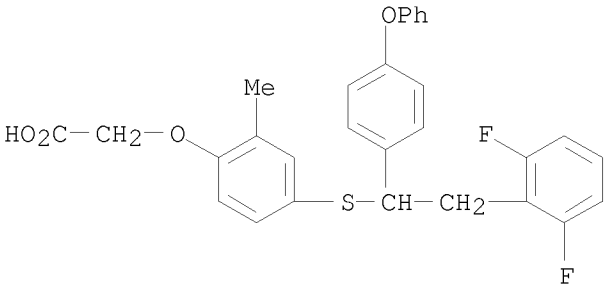
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN L-Tyrosine, N-[5-[[(1S)-1-carboxy-3-methylbutyl]amino]-2,4-dinitrophenyl]-
MF C21 H24 N4 O9

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

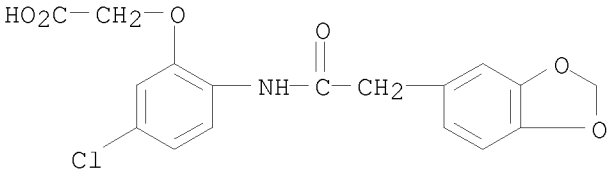
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[2-(2,6-difluorophenyl)-1-(4-phenoxyphenyl)ethyl]thio]-
2-methylphenoxy]-
MF C29 H24 F2 O4 S
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

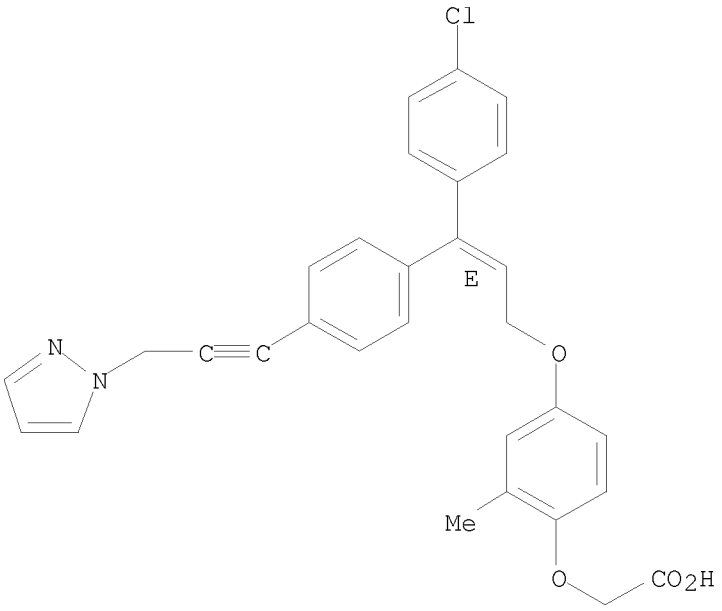
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-[[2-(1,3-benzodioxol-5-yl)acetyl]amino]-5-chlorophenoxy]-
MF C17 H14 Cl N O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

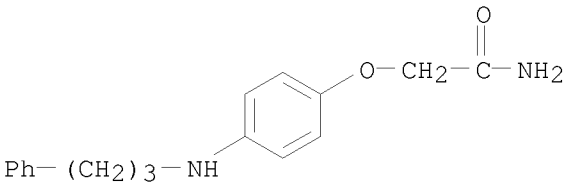
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2E)-3-(4-chlorophenyl)-3-[4-[3-(1H-pyrazol-1-yl)-1-propyn-1-yl]phenyl]-2-propen-1-yl]oxy]-2-methylphenoxy]-
MF C30 H25 Cl N2 O4

Double bond geometry as shown.



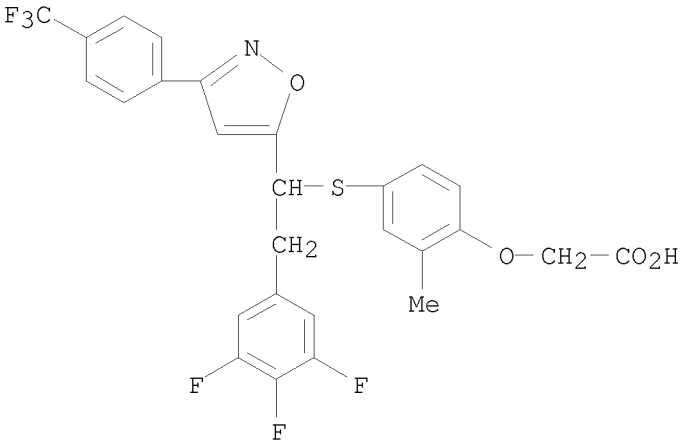
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetamide, 2-[4-[(3-phenylpropyl)amino]phenoxy]-
MF C17 H20 N2 O2



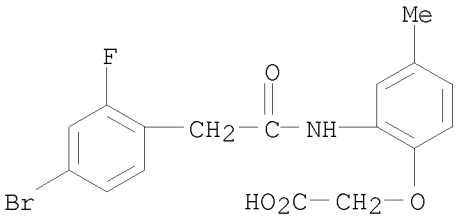
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-methyl-4-[[1-[3-[4-(trifluoromethyl)phenyl]-5-isoxazolyl]-2-(3,4,5-trifluorophenyl)ethyl]thio]phenoxy]-
MF C27 H19 F6 N O4 S
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

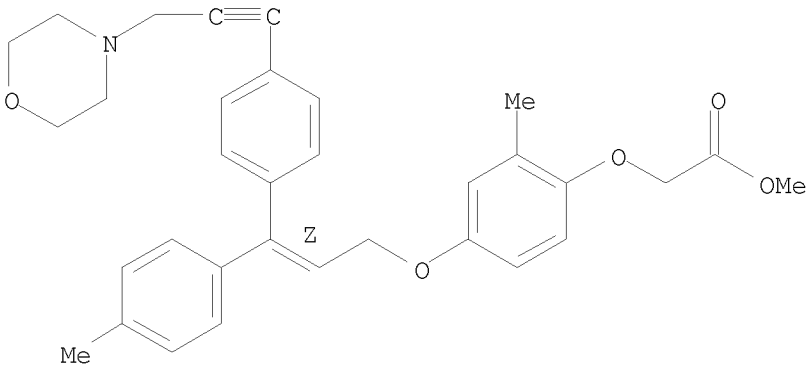
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-[[2-(4-bromo-2-fluorophenyl)acetyl]amino]-4-methylphenoxy]-
MF C17 H15 Br F N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

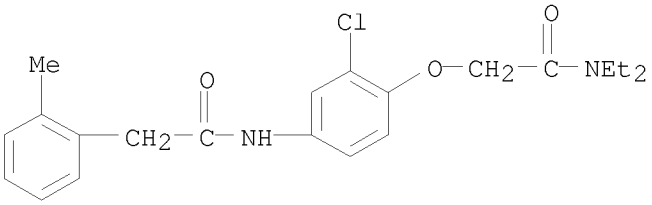
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-methyl-4-[[(2Z)-3-(4-methylphenyl)-3-[4-[3-(4-morpholinyl)-1-propyn-1-yl]phenyl]-2-propen-1-yl]oxy]phenoxy]-, methyl ester
MF C33 H35 N O5

Double bond geometry as shown.



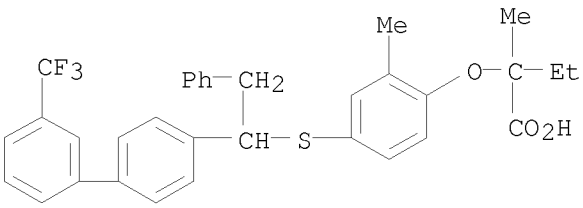
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Benzeneacetamide, N-[3-chloro-4-[2-(diethylamino)-2-oxoethoxy]phenyl]-2-methyl-
MF C21 H25 Cl N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

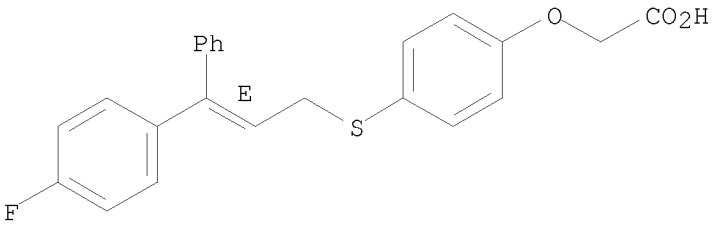
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Butanoic acid, 2-methyl-2-[2-methyl-4-[[2-phenyl-1-[3'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]ethyl]thio]phenoxy]-
MF C33 H31 F3 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

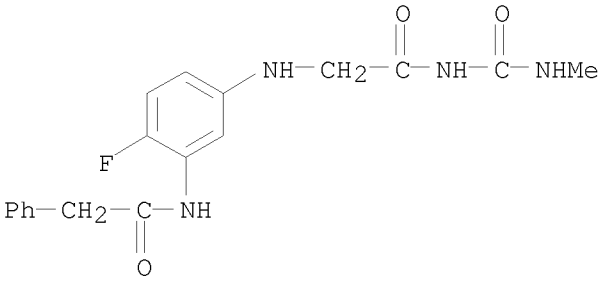
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2E)-3-(4-fluorophenyl)-3-phenyl-2-propen-1-yl]thio]phenoxy]-
MF C23 H19 F O3 S

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

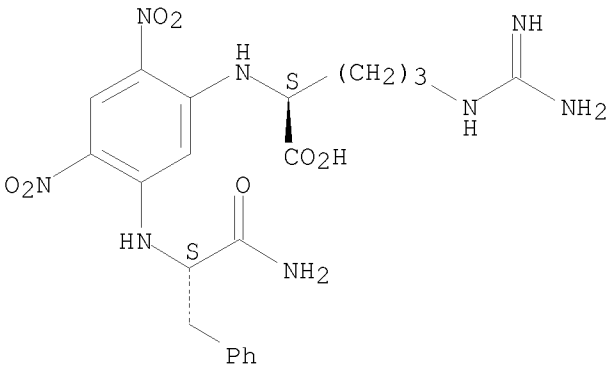
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Benzeneacetamide, N-[2-fluoro-5-[[2-[[(methylamino)carbonyl]amino]-2-oxoethyl]amino]phenyl]-
MF C18 H19 F N4 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

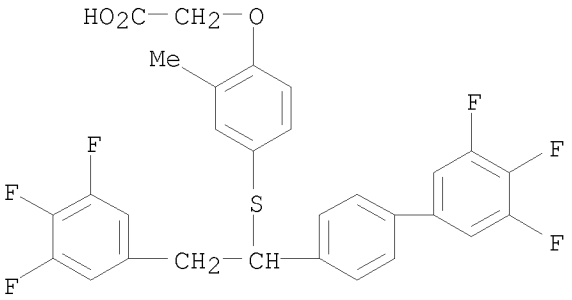
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN L-Arginine, N2-[5-[[(1S)-2-amino-2-oxo-1-(phenylmethyl)ethyl]amino]-2,4-dinitrophenyl]-
MF C21 H26 N8 O7

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

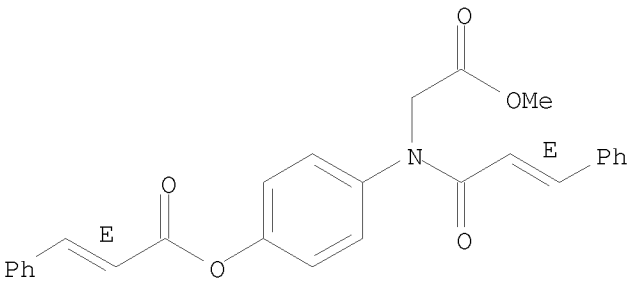
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[2-methyl-4-[[1-(3',4',5'-trifluoro[1,1'-biphenyl]-4-yl)-2-(3,4,5-trifluorophenyl)ethyl]thio]phenoxy]-
MF C29 H20 F6 O3 S
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN 2-Propenoic acid, 3-phenyl-, 4-[(2-methoxy-2-oxoethyl)[(2E)-1-oxo-3-phenyl-2-propen-1-yl]amino]phenyl ester, (2E)-
MF C27 H23 N O5

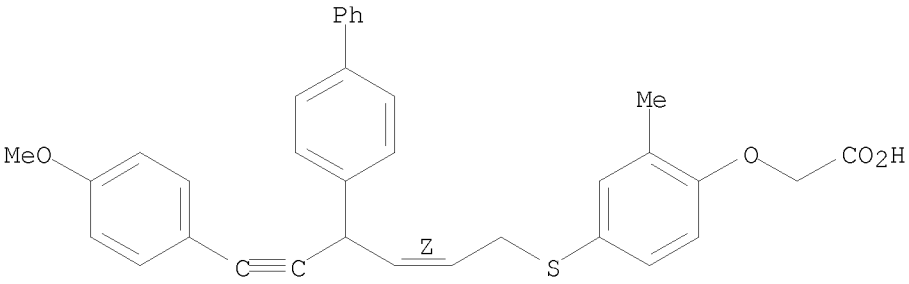
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2Z)-4-[1,1'-biphenyl]-4-yl-6-(4-methoxyphenyl)-2-hexen-5-yn-1-yl]thio]-2-methylphenoxy]-
MF C34 H30 O4 S

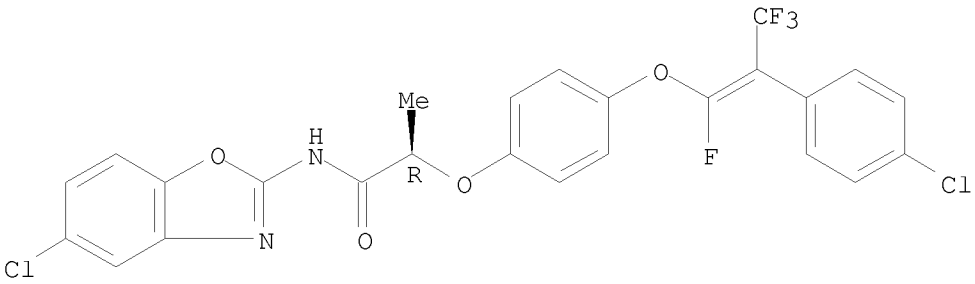
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

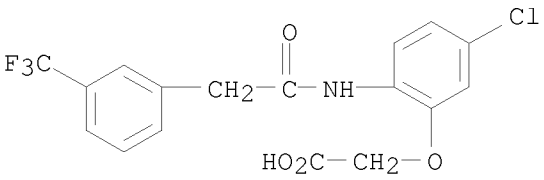
L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Propanamide, N-(5-chloro-2-benzoxazolyl)-2-[4-[[2-(4-chlorophenyl)-1,3,3,3-tetrafluoro-1-propen-1-yl]oxy]phenoxy]-, (2R)-
MF C25 H16 Cl2 F4 N2 O4

Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[5-chloro-2-[[2-[3-(trifluoromethyl)phenyl]acetyl]amino]phenoxy]-
MF C17 H13 Cl F3 N O4



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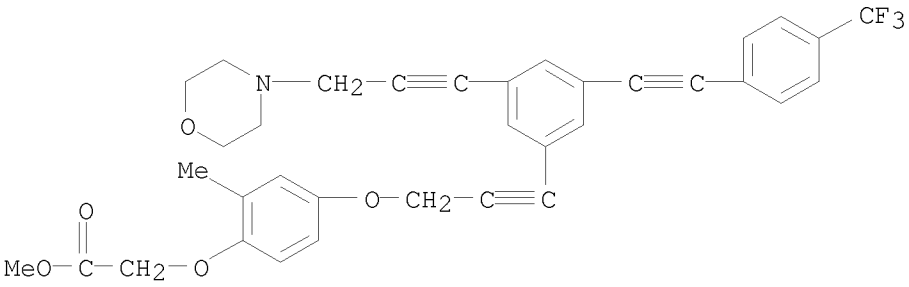
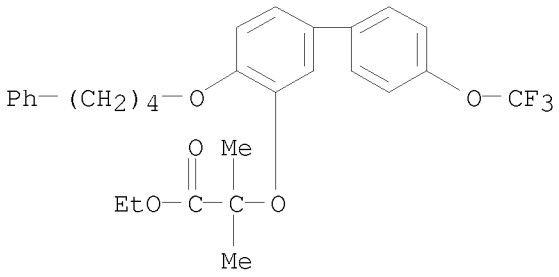
IN Acetic acid, 2-[2-methyl-4-[[3-[3-[3-(4-morpholinyl)-1-propyn-1-yl]-5-[2-[4-(trifluoromethyl)phenyl]ethynyl]phenyl]-2-propyn-1-yl]oxy]phenoxy]-, methyl ester
MF C35 H30 F3 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN

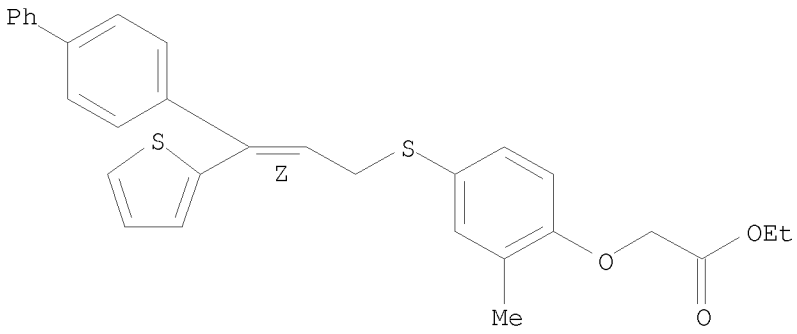
IN Propanoic acid, 2-methyl-2-[[4-(4-phenylbutoxy)-4'-(trifluoromethoxy)[1,1'-biphenyl]-3-yl]oxy]-, ethyl ester
MF C29 H31 F3 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2Z)-3-[1,1'-biphenyl]-4-yl-3-(2-thienyl)-2-propen-1-yl]thio]-2-methylphenoxy]-, ethyl ester
MF C30 H28 O3 S2

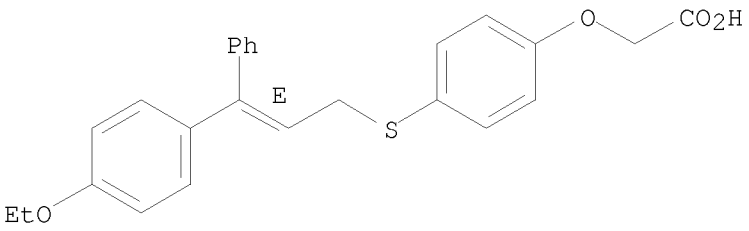
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2011 ACS on STN
IN Acetic acid, 2-[4-[[(2E)-3-(4-ethoxyphenyl)-3-phenyl-2-propen-1-yl]thio]phenoxy]-
MF C25 H24 O4 S

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FULL SCREEN SEARCH COMPLETED - 4974269 TO ITERATE

5.8% PROCESSED 289509 ITERATIONS 55 ANSWERS

100.0% PROCESSED 4974269 ITERATIONS 35582 ANSWERS
SEARCH TIME: 00.00.30

L3 35582 SEA SSS FUL L1

=> save temp l3 mastraw set/a
'SET/A' IS NOT VALID HERE
For an explanation, enter "HELP SAVE".

=> save temp l3 mastrawset/a
ANSWER SET L3 HAS BEEN SAVED AS 'MASTRAWSET/A'

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	206.04	206.27

FILE 'CAPLUS' ENTERED AT 10:14:18 ON 25 JAN 2011
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 25 Jan 2011 VOL 154 ISS 5
FILE LAST UPDATED: 24 Jan 2011 (20110124/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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L4   253 L3

=> save temp rawrefs/a
ENTER L#, L# RANGE, ALL, OR (END):l4
ANSWER SET L4 HAS BEEN SAVED AS 'RAWREFS/A'

=> diabetes
L5   190666 DIABETES

=> l4 and l5
L6   51 L4 AND L5

=> d l6 41-51 ti

L6   ANSWER 41 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of pyrazolopyrimidines and related compounds as hPPARα
     and hPPARγ ligands

L6   ANSWER 42 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of 5-amino-4-phenyl-1H-imidazoles as inhibitors of protein
     tyrosine phosphatase 1B (PTP-1B)

L6   ANSWER 43 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Long-chain, unsaturated, aromatic dicarboxylic acid derivatives, their
     preparation, and therapeutic use for treatment of conditions mediated by
     peroxisome proliferator-activated receptors (PPAR).

L6   ANSWER 44 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Classification of Inhibitors of Protein Tyrosine Phosphatase 1B Using
     Molecular Structure Based Descriptors

L6   ANSWER 45 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic
     acid derivatives as antagonists of prostaglandin E2 (PEG2) receptors

L6   ANSWER 46 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of thiazole and oxazole derivatives for treating human PPAR
     related disorders

L6   ANSWER 47 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of phenylmethylalkanoic acid derivatives as PPARα
     agonists useful in the treatment of hyperlipidemia, arteriosclerosis,
     diabetes, and obesity

L6   ANSWER 48 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Preparation of biaryloxa(thia)zole derivatives as PPAR modulators

L6   ANSWER 49 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI   Novel inhibitors of formation of advanced glycation endproducts (AGE's)

L6 ANSWER 50 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Novel Benzofuran and Benzothiophene Biphenyls as Inhibitors of Protein Tyrosine Phosphatase 1B with Antihyperglycemic Properties

L6 ANSWER 51 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Novel Inhibitors of Advanced Glycation Endproducts

=> d l6 43, 45,47, 49, 51 ti fbib abs

L6 ANSWER 43 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Long-chain, unsaturated, aromatic dicarboxylic acid derivatives, their preparation, and therapeutic use for treatment of conditions mediated by peroxisome proliferator-activated receptors (PPAR).
AN 2003:319859 CAPLUS <<LOGINID::20110125>>
DN 138:337836
TI Long-chain, unsaturated, aromatic dicarboxylic acid derivatives, their preparation, and therapeutic use for treatment of conditions mediated by peroxisome proliferator-activated receptors (PPAR).
IN Sauerberg, Per; Bury, Paul Stanley; Jeppesen, Lone; Mogensen, John Patrick
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003033453	A1	20030424	WO 2002-DK692		20021015
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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				DK 2001-1524	A	20011017
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	EP 1438283	A1	20040721	EP 2002-772084		20021015
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IN 2004CN00771	A	20060113	IN 2004-CN771		20040415
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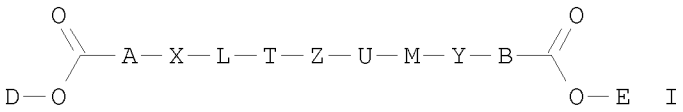
			WO 2002-DK692	W	20021015

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 138:337836

GI



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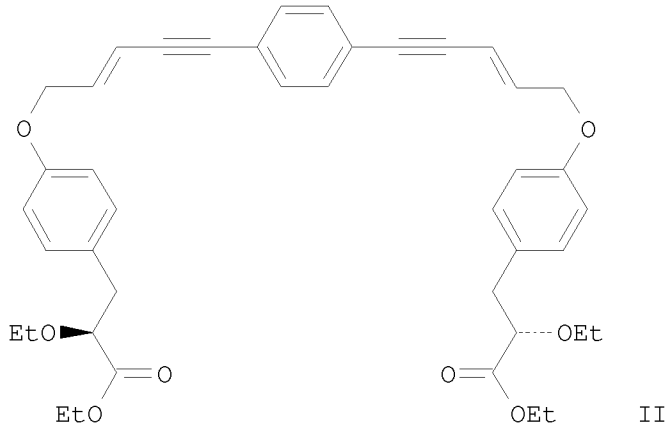

II

AB A novel class of dicarboxylic acid derivs., I, is disclosed [wherein: A = (un)substituted C1-3 alkylene, or A'O or A'S where A' is (un)substituted C1-3 alkylene; B = (un)substituted C1-3 alkylene, or OB' or SB' where B' is (un)substituted C1-3 alkylene; D, E = H, C1-6 alkyl, C3-6 cycloalkyl; L, M = O or S; T, U = C3-9 divalent, (un)substituted, unsatd. carbon chain; X, Y = (un)substituted arylene or heteroarylene; Z = (un)substituted arylene, heteroarylene, or divalent polycyclic ring system]. Also disclosed is the use of I in pharmaceutical compns., pharmaceutical compns. comprising I, and methods of treatment employing I and the compns. The present compds. may be useful (no data) in the treatment and/or prevention of conditions mediated by peroxisome proliferator-activated receptors (PPAR). For example, 1,4-diiodobenzene was coupled with excess 2-penten-4-yn-1-ol in (iso-Pr)2NH in the presence of CuI and Pd(PPh3)4 at 60°, to give 55% (E,E)-5-[4-(5-hydroxypent-3-en-1-ynyl)phenyl]pent-2-en-4-yn-1-ol. Mitsunobu reaction of this diol with (S)-2-ethoxy-3-(4-hydroxyphenyl)propionic acid Et ester using azodicarboxylic acid dipiperidide and PBu3 in THF gave 27% invention

compound II. A total of 29 synthetic examples illustrate a variety of I, mostly sym. diacids and diesters, and mostly stereoisomeric, with all stereoisomers having (E) and (S) stereochem. at double bonds and chiral centers. Claims list a wide variety of sym. and asym. I, all named without stereochem. Claimed applications include treatment of type I and II diabetes, dyslipidemia, syndrome X and its conditions, cardiovascular diseases including atherosclerosis, and hypercholesterolemia.

OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 45 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic acid derivatives as antagonists of prostaglandin E2 (PEG2) receptors
AN 2003:154382 CAPLUS <<LOGINID::20110125>>
DN 138:187795
TI Preparation of aryl or heterocyclyl-substituted benzoic acid and alkanoic acid derivatives as antagonists of prostaglandin E2 (PEG2) receptors
IN Tani, Kousuke; Asada, Masaki; Kobayashi, Kaoru; Narita, Masami; Ogawa, Mikio
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 1009 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003016254	A1	20030227	WO 2002-JP8120		20020808
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 138:187795

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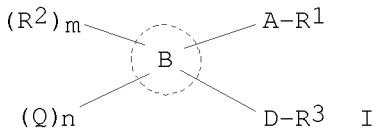


I

AB Carboxylic acid derivs. (I) and nontoxic salts thereof [wherein R1 = CO2H, CO2R4, CH2OH, COR5SO2R6, CONH2, CH2NR5SO2R6, CH2NR9COR10, CH2NR9CONR5SO2R6, CH2SO2NR9COR10, CH2O2CNR5SO2R6, tetrazole, 1,2,4-oxadiazol-5-one, 1,2,4-oxadiazol-5-thione, 1,2,4-thiadiazol-5-one, etc. (wherein R4 = C1-6 alkyl, hydroxy-C1-4 alkyl, C1-4 alkoxy-C1-4 alkyl, carboxy-C1-4 alkyl, etc.; R5, R9 = H, C1-6 alkyl; R6 = C1-6 alkyl, C3-15 mono-, di-, or tricarbocyclic, 3- to 13-membered mono-, di-, or tricyclic heterocyclyl, etc.; R10 = H, R6); A = a single bond, C1-6 alkylene, C2-6 alkenylene, C2-6 alkynylene, etc.; the ring B = C3-12 mono- or dicyclic carbocyclic ring, 3- to 12-membered mono- or dicyclic heterocyclic ring; R2 = C1-6 alkyl, C1-6 alkoxy, C1-6 alkylthio, C2-6 alkenyl, C2-6 alkynyl, halo, CHF2, CF3, NO2, cyano, Ph, oxo; m, n = 0,1,2; Q = (C1-4 alkylene, C2-4 alkenylene, or C2-4 alkynylene)-Cyc2, -C1-4 alkylene-Z-Cyc3, amino-C1-4 alkyl, cyano-C1-4 alkyl, acylamino-C1-4 alkyl, 3- to 7-membered monocyclic carbocyclyl, 3- to 6-membered monocyclic heterocyclyl, etc. (wherein Cyc2, Cyc3 = C3-15 mono-, di-, or tricyclic carbocyclyl or

heterocyclyl, etc.; Z = O, S, SO, SO2, NH, NHCO, etc.); D = an linking chain consisting of 1-2 or 3-6 of atoms selected from C, N, O, or S, etc.; R3 = C1-6 alkyl, C3-15 mono-, di-, or tricyclic carbocyclyl, 3- to 15-membered mono-, di-, or tricyclic heterocyclyl, etc.] are prepared These carboxylic acid derivs. include phenylpropanoic acid, phenylpropenoic acid, phenylpropanamide, phenylpropenamide, 3-oxoisoindolin-1-ylacetic acid, benzylbenzoic acid, benzylaminoacetic acid, pyrazolylmethylbenzoic acid, benzoylaminoacetic acid, (pyrazolylmethylphenyl)propenoic acid, pyrazolylmethylpropanoic acid, (pyridinyloxyphenyl)propanoic acid, phenoxyacetic acid, phenylbutanoic acid, (pyrazolylmethyl)propanamide, (piperazinylmethylphenyl)propanamide, (morpholinylmethylphenyl)propanamide, (pyridinyloxyphenyl)propanamide, (pyrazolylmethyl)propenamide (oxoimidazolidinylmethylphenyl)propanamide, (oxopyrrolidinylmethylphenyl)propenamide, (thiophenylmethylphenyl)propenamide, (pyrazolylmethylphenylamino)acetamide, (thiazolylaminomethylphenyl)propanamide, thiophenylpropenamide, (pyrazolylmethylphenoxy)acetamide, (phenoxymethyl)benzamide, (pyrazolylmethylphenylethyl)-1,2,4-oxadiazol-5-one, and (pyrazolylmethylphenylindolyl)acetic acid. Because of binding to PEG2 receptors, in particular, subtype EP3 and/or subtype EP4 and having antagonism, the compds. I are useful in preventing and/or treating diseases such as pain, allodynia, hyperalgesia, pruritus (itching), urticaria, atopic dermatitis, contact dermatitis, Urushi (Japanese lacquer tree) dermatitis, allergic conjunctivitis, symptoms during dialysis, asthma, rhinitis, allergic rhinitis, nasal congestion, sneeze, psoriasis, pollakiuria (increased urinary frequency), urination disorder, ejaculation (semination) disorder, fever (pyrexia), systemic inflammation reaction, learning disorder, Alzheimer's disease, neovascularization, cancer formation, cancer proliferation, cancer metastasis to organs, cancer metastasis to bone, hypercalcemia accompanied by cancer metastasis to bone, retinopathy, rubrum, erythema (rash), leucoma, skin moth-patch, heat burn, burn, steroid burn, kidney failure, nephropathy, acute or chronic nephritis, blood electrolyte disorder, imminent abortion, threatened abortion, excessive menstruation, dysmenorrhea, endometriosis, premenstrual syndrome, uterine gland myopathy, reproduction disorder, and stress. They are also useful in preventing and/or treating anxiety, depression, psychophysiol. disorder, mental retardation, thrombus, embolism, transient ischemic attack, cerebral infarction, atheroma, organ transplant, heart failure, hypertension, myocardial infarction, arteriosclerosis, circulation disorders or ulcers associated therewith, nerve disorders, vascular dementia, edema, diarrhea, constipation, biliary excretion disorder, ulcerative colitis, Crohn's disease, irritable bowel syndrome, reduction of rebound after using steroid drugs, aids for decreasing or removing steroid drugs, bone diseases, systemic granuloma, immune diseases, pyorrhea alveolaris, gingivitis, periodontal disease, nerve cell death, lung disorder, liver disorder, acute hepatitis, myocardial ischemia, Kawasaki disease, multiple organ failure, chronic headache, angiitis, venous failure, varicose vein (varicosis), anal fistula, diabetes insipidus, neonatal patent ductus arteriosus, and cholelithiasis. Thus, 4-hydroxymethyl-2-[2-(naphthalen-2-yl)ethoxy]cinnamic acid Et ester was mesylated by methanesulfonyl chloride in the presence of Et3N in THF at 0° for 15 min and condensed with pyrazole in the presence of NaH in DMF at 0° to give 2-[2-(naphthalen-2-yl)ethoxy]-4-(1-pyrazolylmethyl)cinnamic acid Et ester.

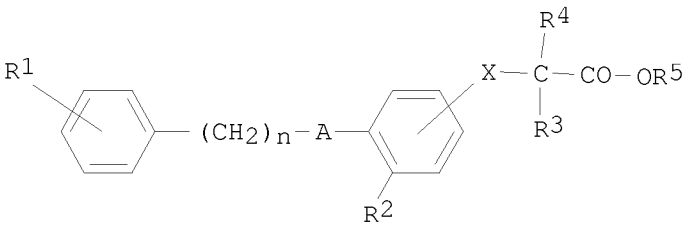
4-[2-[[2-(Naphthalen-1-yl)propanoyl]amino]-4-methylthiomethylphenyl]butanoic acid inhibited the binding of [3H]PGE2 to prostaglandin E2 (PEG2) receptor subtype EP1, Ep2, EP3, and EP4 expressed in CHO cells with Ki of >10, >10, 0.27, and 0.038 μM, resp. A tablet formulation containing (2E)-2-[2-(naphthalen-2-yl)ethoxy]-4-(1-pyrazolylmethyl)cinnamic acid was described.

OSC.G 26 THERE ARE 26 CAPLUS RECORDS THAT CITE THIS RECORD (45 CITINGS)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 47 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of phenylmethylalkanoic acid derivatives as PPARα agonists useful in the treatment of hyperlipidemia, arteriosclerosis, diabetes, and obesity
AN 2002:428856 CAPLUS <<LOGINID::20110125>>
DN 137:20225
TI Preparation of phenylmethylalkanoic acid derivatives as PPARα agonists useful in the treatment of hyperlipidemia, arteriosclerosis, diabetes, and obesity
IN Miyachi, Hiroyuki; Nomura, Masahiro; Murakami, Kouji
PA Kyorin Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 67 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002044127	A1	20020606	WO 2001-JP10355	20011128
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			JP 2000-363679	A 20001129
AU 2002022552	A	20020611	AU 2002-22552	20011128
			JP 2000-363679	A 20001129
			WO 2001-JP10355	W 20011128

OS MARPAT 137:20225
GI



I

AB The title compds. I [R1 represents trifluoromethyl, optionally substituted phenoxy, etc.; R2 represents hydrogen or lower alkoxy; R3, R4 and R5 represent each hydrogen or lower alkyl; A represents NHCO or CONH; X is located at the para-position relative to A and represents oxygen or sulfur, or X is located at the para-position relative to R2 and represents oxygen or sulfur; and n is an integer of from 0 to 2], useful as PPARα agonists (no data) for the treatment of hyperlipidemia, arteriosclerosis, diabetes, and obesity, are prepared For example, 2-[[4-[N-[[4-(trifluoromethyl)phenyl]methyl]carbamoyl]-3-

methoxyphenyl]methyl]butyric acid was prepared
OSC.G 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 49 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Novel inhibitors of formation of advanced glycation endproducts (AGE's)
AN 2000:725604 CAPLUS <<LOGINID::20110125>>
DN 133:291137
TI Novel inhibitors of formation of advanced glycation endproducts (AGE's)
IN Rahbar, Samuel; Lalezari, Iraj
PA City of Hope, USA; Proscience Corp.
SO PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000059875	A2	20001012	WO 2000-US8938		20000405
	WO 2000059875	A3	20010329			
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				US 1999-127835P	P	19990405
	CA 2368688	A1	20001012	CA 2000-2368688		20000405
	CA 2368688	C	20090811			
				US 1999-127835P	P	19990405
				WO 2000-US8938	W	20000405
	EP 1165064	A2	20020102	EP 2000-920121		20000405
	EP 1165064	B1	20040225			
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				US 1999-127835P	P	19990405
				WO 2000-US8938	W	20000405
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				US 1999-127835P	P	19990405
				WO 2000-US8938	W	20000405
	AU 763750	B2	20030731	AU 2000-40707		20000405
				US 1999-127835P	P	19990405
				WO 2000-US8938	W	20000405
	AT 260099	T	20040315	AT 2000-920121		20000405
				US 1999-127835P	P	19990405
				WO 2000-US8938	W	20000405

PATENT FAMILY INFORMATION:
FAN 2000:790291

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000066102	A2	20001109	WO 2000-US11355		20000428
	WO 2000066102	A3	20020328			
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,					

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				US 1999-131675P	P 19990429
CA	2371391	A1	20001109	CA 2000-2371391	20000428
				US 1999-131675P	P 19990429
				WO 2000-US11355	W 20000428
EP	1210087	A2	20020605	EP 2000-928475	20000428

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				US 1999-131675P	P 19990429
				WO 2000-US11355	W 20000428
JP	2002543118	T	20021217	JP 2000-614987	20000428
				US 1999-131675P	P 19990429
				WO 2000-US11355	W 20000428
AU	776162	B2	20040826	AU 2000-46712	20000428
				US 1999-131675P	P 19990429
				WO 2000-US11355	W 20000428

FAN 2001:762808

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001076584	A2	20011018	WO 2001-US9645	20010327
	WO 2001076584	A3	20020627		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

				US 2000-543703	A 20000405
				US 2000-559913	A 20000428
				US 2000-626859	A 20000727
US	6337350	B1	20020108	US 2000-543703	20000405
				US 1999-127835P	P 19990405
US	6589944	B1	20030708	US 2000-626859	20000727
				US 1999-127835P	P 19990405
				US 1999-131675P	P 19990429
				US 2000-543703	A2 20000405
				US 2000-559913	B2 20000428
CA	2405411	A1	20011018	CA 2001-2405411	20010327
				US 2000-543703	A 20000405
				US 2000-559913	A 20000428
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				WO 2001-US9645	W 20010327
EP	1272172	A2	20030108	EP 2001-928322	20010327

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

				US 2000-543703	A 20000405
				US 2000-559913	A 20000428
				US 2000-626859	A 20000727
				WO 2001-US9645	W 20010327
JP	2003530346	T	20031014	JP 2001-574102	20010327
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				US 2000-559913	A 20000428
				US 2000-626859	A 20000727
				WO 2001-US9645	W 20010327
AU	2001255195	B2	20050428	AU 2001-255195	20010327
				US 2000-543703	A 20000405
				US 2000-559913	A 20000428

				US 2000-626859	A 20000727
				WO 2001-US9645	W 20010327

FAN 2002:11110

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20020002203	A1	20020103	US 2001-825925	20010405
	US 6787566	B2	20040907		
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				US 1999-131675P	P 19990429
				US 2000-543703	A2 20000405
				US 2000-559913	A2 20000428
				US 2000-626859	A2 20000727
				US 2001-800976	A2 20010308
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	US 6589944	B1	20030708	US 2000-626859	20000727
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				US 1999-131675P	P 19990429
				US 2000-543703	A2 20000405
				US 2000-559913	B2 20000428
	US 20020013256	A1	20020131	US 2001-800976	20010308
	US 6605642	B2	20030812		
				US 1999-127835P	P 19990405
				US 2000-543703	A2 20000405
	CA 2439791	A1	20021003	CA 2002-2439791	20020305
	CA 2439791	C	20101019		
				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
	WO 2002076443	A1	20021003	WO 2002-US6692	20020305
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
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	AU 2002258467	A1	20021008	AU 2002-258467	20020305
				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
	EP 1372627	A1	20040102	EP 2002-728413	20020305
	EP 1372627	B1	20060125		
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				US 2001-800976	A 20010308
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				WO 2002-US6692	W 20020305
	JP 2004529126	T	20040924	JP 2002-574958	20020305
				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
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				US 2001-825925	A 20010405
	US 20020123501	A1	20020905	US 2002-96580	20020314
				US 1999-131675P	P 19990429

				US 2000-559913	B1 20000428
	US 20020128278	A1	20020912	US 2002-96579	20020314
	US 6693106	B2	20040217		
				US 1999-131675P	P 19990429
				US 2000-559913	B1 20000428

FAN 2002:90602

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	US 6337350	B1	20020108	US 2000-543703	20000405
				US 1999-127835P	P 19990405
	US 20020002203	A1	20020103	US 2001-825925	20010405
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				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
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				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
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				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
	JP 2004529126	T	20040924	JP 2002-574958	20020305
				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
				WO 2002-US6692	W 20020305
	AT 316371	T	20060215	AT 2002-728413	20020305
				US 2001-800976	A 20010308
				US 2001-825925	A 20010405
	CA 2438870	A1	20020919	CA 2002-2438870	20020306
	CA 2438870	C	20101123		
				US 2001-800976	A 20010308
				WO 2002-US6555	W 20020306

	WO 2002072083	A1	20020919	WO 2002-US6555		20020306
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2001-800976	A	20010308
	AU 2002252184	A1	20020924	AU 2002-252184		20020306
	AU 2002252184	B2	20061130			
				US 2001-800976	A	20010308
				WO 2002-US6555	W	20020306
	EP 1370256	A1	20031217	EP 2002-721243		20020306
	EP 1370256	B1	20070502			
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	JP 4236247	B2	20090311			
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	US 20030220362	A1	20031127	US 2003-358403		20030205
	US 7030133	B2	20060418			
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FAN 2003:524033

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 6589944	B1	20030708	US 2000-626859		20000727
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				US 2000-543703	A2	20000405
				US 2000-559913	B2	20000428
	US 6337350	B1	20020108	US 2000-543703		20000405
				US 1999-127835P	P	19990405
	CA 2405411	A1	20011018	CA 2001-2405411		20010327
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				US 2000-559913	A	20000428
				US 2000-626859	A	20000727
				WO 2001-US9645	W	20010327
	WO 2001076584	A2	20011018	WO 2001-US9645		20010327
	WO 2001076584	A3	20020627			
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EP 1272172		A2	20030108	EP 2001-928322		20010327
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FAN 2003:930981

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PI	US 20030220362	A1	20031127	US 2003-358403		20030205
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,

MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

			US 2003-358403	A	20030205
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			US 2003-358403	A	20030205
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			WO 2004-US3203	W	20040205
AT 415159	T	20081215	AT 2004-708575		20040205
			US 2003-358403	A	20030205

AB Derivs. of aryl and heterocyclic ureido and aryl and heterocyclic carboxamidophenoxyisobutyric acids have been found to inhibit the nonenzymic glycation of proteins which often results in formation of advanced glycation endproducts and crosslinks. Many other phenoxyisobutyric acid derivs. as well as certain other compds. as set out in this disclosure also have been found to inhibit the nonenzymic glycation of proteins. The nonenzymic glycation and crosslinking of proteins is a part of the aging process with the glycation endproducts and crosslinking of long-lived proteins increasing with age. This process is increased at elevated concns. of reducing sugars in the blood and in the intracellular environment such as occurs with diabetes. The structural and functional integrity of the affected mols. become perturbed by these modifications and can result in severe consequences. The compds. of the present invention can be used to inhibit this process of nonenzymic glycation and therefore to inhibit some of the ill effects caused by diabetes or by aging. The compds. are also useful for preventing premature aging, spoilage of proteins in food and can prevent discoloration of teeth.

OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 51 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Novel Inhibitors of Advanced Glycation Endproducts
AN 1999:558280 CAPLUS <<LOGINID::20110125>>
DN 131:317717
TI Novel Inhibitors of Advanced Glycation Endproducts
AU Rahbar, Samuel; Kumar Yernini, Kiran; Scott, Stephen; Gonzales, Noe; Lalezari, Iraj
CS Department of Diabetes, Endocrinology & Metabolism, City of Hope National Medical Center, Duarte, CA, 91010-0269, USA
SO Biochemical and Biophysical Research Communications (1999), 262(3), 651-656
CODEN: BBRCA9; ISSN: 0006-291X
PB Academic Press
DT Journal
LA English
AB Enhanced formation and accumulation of advanced glycation endproducts (AGE's) have been proposed to play a major role in the pathogenesis of diabetic complications, aging, atherosclerosis, and Alzheimer disease leading to progressive and irreversible intermol. protein crosslinkings. This process is accelerated in diabetes and has been postulated to contribute to the development of a range of diabetic complications including nephropathy, retinopathy and neuropathy. Several potential drug candidates as AGE inhibitors have been reported recently. Aminoguanidine is the first drug extensively studied both in vitro and in vivo. The authors have developed a new class of compds. as potent inhibitors of

glycation and AGE formation. The novel inhibitors reported here are aryl (and heterocyclic) ureido, and aryl (and heterocyclic) carboxamido phenoxy isobutyric acids and related mols., which were found by in vitro assay methods to be potent inhibitors of multiple stage of glycation and AGE formation. (c) 1999 Academic Press.
OSC.G 39 THERE ARE 39 CAPLUS RECORDS THAT CITE THIS RECORD (41 CITINGS)
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.75	243.02

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.35	-4.35

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STRUCTURE FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9
DICTIONARY FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9

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http://www.cas.org/support/stngen/stndoc/properties.html

=> e Acetic acid, 2-(4-(((2E)-3-(4-ethoxyphenyl)-3-phenyl-2-propen-1-yl)thio)phenoxy)-/cn

E1	1	ACETIC ACID, 2-(4-(((2E)-3-(4-CHLOROPHENYL)-3-(4-(3-(DIMETHYLAMINO)-1-PROPYN-1-YL)PHENYL)-2-PROPEN-1-YL)OXY)-2-METHYLPHENOXY)-/CN
E2	1	ACETIC ACID, 2-(4-(((2E)-3-(4-CHLOROPHENYL)-3-(4-(3-(DIMETHYLAMINO)-1-PROPYN-1-YL)PHENYL)-2-PROPEN-1-YL)OXY)-2-METHYLPHENOXY)-, METHYL ESTER/CN
E3	1 -->	ACETIC ACID, 2-(4-(((2E)-3-(4-ETHOXYPHENYL)-3-PHENYL-2-PROPEN-1-YL)THIO)PHENOXY)-/CN
E4	1	ACETIC ACID, 2-(4-(((2E)-3-(4-ETHYLPHENYL)-3-PHENYL-2-PROPEN-1-YL)THIO)-2-METHYLPHENOXY)-/CN
E5	1	ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(2'-(TRIFLUOROMETHYL)(1,1'-BIPHENYL)-4-YL)-2-PROPEN-1-YL)THIO)-2-METHYLPHENOXY)-/CN
E6	1	ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(3'-(TRIFLUOROMETHYL)(1,1'-BIPHENYL)-4-YL)-2-PROPEN-1-YL)THIO)-2-METHYLPHE

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                    NOXY)-/CN
E7          1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(3'-METHOXY(1,
                    1'-BIPHENYL)-4-YL)-2-PROPEN-1-YL)THIO)-2-METHYLPHENOXY)-/CN
E8          1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(4'-(TRIFLUORO
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                    NOXY)-/CN
E9          1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(4'-METHOXY(1,
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E10         1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(4-(2-(2-PYRID
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E11         1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(4-(2-(2-PYRID
                    INYL)ETHYNYL)PHENYL)-2-PROPEN-1-YL)OXY)-2-METHYLPHENOXY)-, M
                    ETHYL ESTER/CN
E12         1       ACETIC ACID, 2-(4-(((2E)-3-(4-FLUOROPHENYL)-3-(4-(3-(1H-PYRA
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                    HENOXY)-/CN

=> e3
L7          1 "ACETIC ACID, 2-(4-(((2E)-3-(4-ETHOXYPHENYL)-3-PHENYL-2-PROPEN-1
              -YL)THIO)PHENOXY)-"/CN

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                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.21     249.23

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CA SUBSCRIBER PRICE                                       0.00      -4.35

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FILE COVERS 1907 - 25 Jan 2011  VOL 154 ISS 5
FILE LAST UPDATED: 24 Jan 2011  (20110124/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Oct 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

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substance identification.
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L8            0 L7

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FULL ESTIMATED COST                                       0.52     249.75

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CA SUBSCRIBER PRICE                                       0.00      -4.35

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STRUCTURE FILE UPDATES:   24 JAN 2011  HIGHEST RN 1260364-77-9
DICTIONARY FILE UPDATES:  24 JAN 2011  HIGHEST RN 1260364-77-9

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d l7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2011 ACS on STN
RN   1027307-67-0  REGISTRY
ED   Entered STN:  11 Jun 2008
CN   Acetic acid, 2-[4-[[(2E)-3-(4-ethoxyphenyl)-3-phenyl-2-propen-1-
     yl]thio]phenoxy]-  (CA INDEX NAME)
FS   STEREOSEARCH
MF   C25 H24 O4 S
SR   Other Sources
       Database: ChemSpider (ChemZoo, Inc.)

Double bond geometry as shown.
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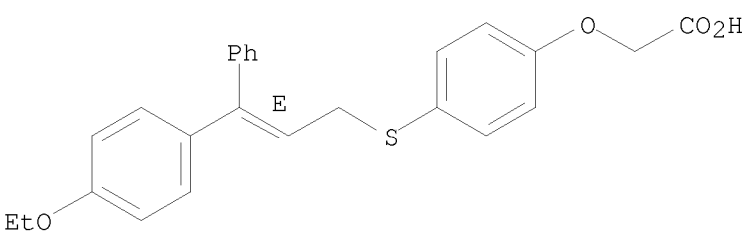

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

L6 ANSWER 30 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of fused heterocyclic derivatives as PPAR modulators for treatment of diabetes mellitus, syndrome X, and related disorders
AN 2004:606439 CAPLUS <<LOGINID::20110125>>
DN 141:157107
TI Preparation of fused heterocyclic derivatives as PPAR modulators for treatment of diabetes mellitus, syndrome X, and related disorders
IN Conner, Scott Eugene; Mantlo, Nathan Bryan; Zhu, Guoxin
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 294 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2004063155	A1	20040729	WO 2003-US39120		20031231
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				WO 2003-US39120	W	20031231
	EP 1585726	A1	20051019	EP 2003-815196		20031231
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				WO 2003-US39120	W	20031231

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US 7598266	B2	20091006			
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PATENT FAMILY INFORMATION:

FAN 2004:606464

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PI WO 2004063190	A1	20040729	WO 2003-US41690		20031231
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			WO 2003-US41690	W	20031231
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			WO 2003-US41690	W	20031231
EP 1581521	A1	20051005	EP 2003-808624		20031231
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FAN 2004:902349

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2004092131	A1	20041028	WO 2003-US41698		20031231
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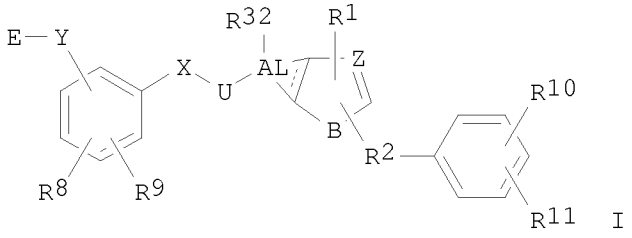
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
			US 2003-438541P	P	20030106
AU 2003300131	A1	20041104	AU 2003-300131		20031231
			US 2003-438541P	P	20030106

			WO 2003-US41698	W 20031231
EP 1581491	A1	20051005	EP 2003-800390	20031231
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
			US 2003-438541P	P 20030106
			WO 2003-US41698	W 20031231
US 20060166983	A1	20060727	US 2005-541555	20051223
			US 2003-438541P	P 20030106
			WO 2003-US41698	W 20031231

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 141:157107

GI



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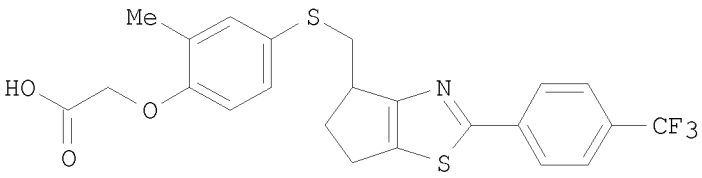

II

AB Title compds. I [wherein R1 = H, (un)substituted alkyl, alkenyl, (hetero)aryl(alkyl), arylheteroalkyl, cycloalkylaryl(alkyl); R2 = absent, (hetero)alkyl; R8 = H, alkyl, alkylenyl, halo; R9 = H, (un)substituted alkyl, alkylenyl, halo, aryl(alkyl), heteroaryl, allyl, alkoxy, alkylthio, etc.; R10, R11 = independently H, OH, CN, NO2, halo, oxo, (un)substituted (halo)alkyl, alkoxy, cycloalkyl, (hetero)aryl(alkyl), cycloalkylaryl(alkyl), aryloxy, acyl, carboxy, amino, sulfamoyl, etc.; R32 = bond, H, halo, (halo)alkyl, alkyloxo; AL = fused carbocyclic, pyridinyl, pyrimidinyl, Ph; B = S, O, CH2, NH; E = (un)substituted carboxy(methyl), tetrazolyl(methyl), nitriloalkyl, carboxamido(methyl), sulfonamido(methyl); U = (un)substituted aliphatic linker wherein one C of the linker is optionally replaced with O, NH, or S; X = bond, O, S, SO2, NH; Y = bond, CH2, NH; Z = N, CH, with the proviso that when B = CH2, then Z = N; or stereoisomers, pharmaceutically acceptable salts, solvates, and hydrates thereof] were prepared as peroxisome proliferator activated receptor (PPAR) modulators (no data). For example, (4-mercapto-2-methylphenoxy)acetic acid Me ester was coupled with toluene-4-sulfonic acid 2-(4-trifluoromethylphenyl)-5,6-dihydro-4H-cyclopentathiazol-4-ylmethyl ester in the presence of Cs2CO3 in anhydrous acetonitrile to give the [[(cyclopentathiazolylmethyl)sulfanyl]phenoxy]acetate (45%), which was saponified with LiOH in THF to afford II (quant.). I and their pharmaceutical compns. are expected to be effective in treating and preventing Syndrome X, Type II diabetes, cardiovascular disorders, inflammatory conditions, and other disorders (no data).

OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 31 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Use of α-phenylthiocarboxylic and α-phenyloxycarboxylic acids with serum glucose-lowering and serum lipid-lowering activity
AN 2004:550873 CAPLUS <<LOGINID::20110125>>
DN 141:82339
TI Use of α-phenylthiocarboxylic and α-phenyloxycarboxylic acids with serum glucose-lowering and serum lipid-lowering activity
IN Giannessi, Fabio; Tassoni, Emanuela; Tinti, Maria Ornella; Pessotto, Pompeo; Dell'Uomo, Natalina; Sciarroni, Anna Floriana; Brunetti, Tiziana; Milazzo, Ferdinando Maria
PA Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Italy
SO PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2004056355	A1	20040708	WO 2003-IT820		20031216
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				IT 2002-RM629	A	20021219
	IT 1333475	B1	20060412	IT 2002-RM629		20021219
	CA 2506627	A1	20040708	CA 2003-2506627		20031216
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
	AU 2003288546	A1	20040714	AU 2003-288546		20031216
	AU 2003288546	B2	20090430			
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
	EP 1572180	A1	20050914	EP 2003-780669		20031216
	EP 1572180	B1	20090225			
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
	BR 2003017359	A	20051108	BR 2003-17359		20031216
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
	CN 1728992	A	20060201	CN 2003-80106699		20031216
	CN 100393309	C	20080611			
				IT 2002-RM629	A	20021219
	JP 2006512362	T	20060413	JP 2004-561981		20031216
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
	AT 423558	T	20090315	AT 2003-780669		20031216
				IT 2002-RM629	A	20021219
	PT 1572180	E	20090504	PT 2003-780669		20031216
				IT 2002-RM629	A	20021219
	ES 2321708	T3	20090610	ES 2003-780669		20031216

				IT 2002-RM629	A	20021219
TW 308564	B	20090411		TW 2003-136024		20031218
				IT 2002-RM629	A	20021219
MX 2005005848	A	20050826		MX 2005-5848		20050601
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
IN 2005KN01316	A	20060609		IN 2005-KN1316		20050707
IN 235579	A1	20090710				
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
US 20060154979	A1	20060713		US 2005-539833		20050719
US 7375124	B2	20080520				
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216
HK 1087007	A1	20090703		HK 2006-107039		20060621
				IT 2002-RM629	A	20021219
				WO 2003-IT820	W	20031216

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 141:82339
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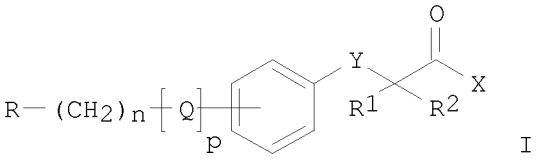


I

AB The invention describes the use of derivs. of α-phenylthiocarboxylic and α-phenyloxycarboxylic acids I [R = H, (un)substituted (hetero)aryl; n = 0-3; p = 0, 1; X = OH, O-(C1-4 alkyl); R1, R2 = H, C1-5 alkyl, COX; Q = NH, O, S, NHC(O)O, etc.; Y = O, S] for the preparation of a medicament for the prophylaxis and treatment of diabetes, particularly type 2 diabetes, its complications, the various forms of insulin resistance, and hyperlipidemias. Compound preparation is also described.
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 32 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of dimeric dicarboxylic acid derivatives as PPAR agonists
AN 2004:546467 CAPLUS <<LOGINID::20110125>>
DN 141:106263
TI Preparation of dimeric dicarboxylic acid derivatives as PPAR agonists
IN Sauerberg, Per; Jeppesen, Lone; Polivka, Zdenek; Sindelar, Karel
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 114 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

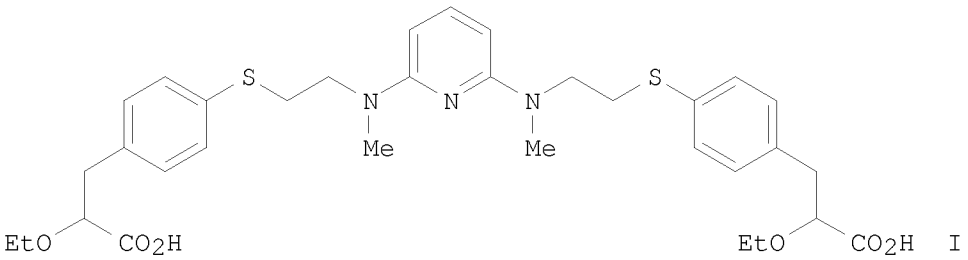
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004056740	A1	20040708	WO 2003-DK895	20031218

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				DK 2002-1966	A	20021220
US 20040259950	A1	20041223		US 2003-734368		20031212
US 7816385	B2	20101019				
				DK 2002-1966	A	20021220
				US 2003-439410P	P	20030110
AU 2003287912	A1	20040714		AU 2003-287912		20031218
				DK 2002-1966	A	20021220
				WO 2003-DK895	W	20031218
EP 1578716	A1	20050928		EP 2003-779752		20031218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK						
				DK 2002-1966	A	20021220
				WO 2003-DK895	W	20031218
JP 2006510687	T	20060330		JP 2004-561080		20031218
				DK 2002-1966	A	20021220
				WO 2003-DK895	W	20031218

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 141:106263
GI



I

AB The title compds. DOC(O)AXLTZUMYBC(O)OE [I; A, B = (un)substituted alkylene, O(alkylene), S(alkylene); D, E = H, alkyl, cycloalkyl; L, M = O, S; T, U = (un)substituted divalent saturated carbon chain, NR1(alkylene) (wherein R1 = H, alkyl); X, Y = (un)substituted arylene, heteroarylene; Z = (un)substituted arylene, heteroarylene, divalent polycyclic ring system] which may be useful in the treatment and/or prevention of conditions mediated by Peroxisome Proliferator-Activated Receptors (PPAR) (no specific biol. data given), were prepared and formulated. E.g., a multi-step synthesis of II, is given. The compds. I are claimed as selective PPARδ agonists useful in treating diabetes, syndrome X, cardiovascular diseases, dyslipidemia, and hypercholesteremia.
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 33 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Receptor function controlling agent
AN 2004:412803 CAPLUS <<LOGINID::20110125>>
DN 141:1264
TI Receptor function controlling agent

IN Fukatsu, Kohji; Sasaki, Shinobu; Hinuma, Shuji; Ito, Yasuaki; Suzuki, Nobuhiro; Harada, Masataka; Yasuma, Tsuneo
PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 442 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2004041266	A1	20040521	WO 2003-JP14139		20031106
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
	CA 2505322	A1	20040521	CA 2003-2505322		20031106
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
				WO 2003-JP14139	W	20031106
	AU 2003277576	A1	20040607	AU 2003-277576		20031106
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
				WO 2003-JP14139	W	20031106
	JP 2005015461	A	20050120	JP 2003-376833		20031106
	JP 4594611	B2	20101208			
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
	EP 1559422	A1	20050803	EP 2003-810621		20031106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
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				WO 2003-JP14139	W	20031106
	CN 1735408	A	20060215	CN 2003-80108260		20031106
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
	US 20090012093	A1	20090108	US 2005-534081		20050613
				JP 2002-324632	A	20021108
				JP 2003-16889	A	20030127
				JP 2003-153986	A	20030530
				WO 2003-JP14139	W	20031106

PATENT FAMILY INFORMATION:
FAN 2004:1059297

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004106276	A1	20041209	WO 2004-JP7770	20040528
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				JP 2003-153986	A 20030530
				JP 2004-139144	A 20040507
CA 2527691		A1	20041209	CA 2004-2527691	20040528
				JP 2003-153986	A 20030530
				JP 2004-139144	A 20040507
				WO 2004-JP7770	W 20040528
JP 2005343792		A	20051215	JP 2004-158907	20040528
				JP 2003-153986	A 20030530
				JP 2004-139144	A 20040507
EP 1630152		A1	20060301	EP 2004-745580	20040528
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				JP 2003-153986	A 20030530
				JP 2004-139144	A 20040507
				WO 2004-JP7770	W 20040528
US 20060258722		A1	20061116	US 2005-558846	20051130
US 7820837		B2	20101026		
				JP 2003-153986	A 20030530
				JP 2004-139144	A 20040507
				WO 2004-JP7770	W 20040528

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 141:1264
AB A GPR40 receptor function controlling agent which contains a compound having an aromatic ring and a group capable of releasing a cation and is useful as a insulin secretion promoting agent or a preventive/remedy for diabetes, etc.
OSC.G 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (37 CITINGS)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of [[(diarylallyl)sulfanyl]phenoxy]acetic acids and esters as PPAR activators for treatment of diabetes and related conditions
AN 2004:370892 CAPLUS <<LOGINID::20110125>>
DN 140:374984
TI Preparation of [[(diarylallyl)sulfanyl]phenoxy]acetic acids and esters as PPAR activators for treatment of diabetes and related conditions
IN Jeppesen, Lone; Mogensen, John Patrick; Pettersson, Ingrid; Sauerberg, Per; Pihera, Pavel; Havranek, Miroslav
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 124 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004037776	A2	20040506	WO 2003-DK722	20031027
WO 2004037776	A3	20040610		

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GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
US	20050070583	A1	20050331	US 2003-693161		20031024
US	7129268	B2	20061031			
				DK 2002-1631	A	20021028
				US 2002-423467P	P	20021104
				DK 2003-793	A	20030526
CA	2503280	A1	20040506	CA 2003-2503280		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
AU	2003273783	A1	20040513	AU 2003-273783		20031027
AU	2003273783	B2	20100318			
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
EP	1558572	A2	20050803	EP 2003-757741		20031027
EP	1558572	B1	20100630			

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
BR	2003015683	A	20050830	BR 2003-15683		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
CN	1708468	A	20051214	CN 2003-80102228		20031027
CN	100491316	C	20090527			
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
JP	2006503908	T	20060202	JP 2005-501509		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
RU	2349582	C2	20090320	RU 2005-116243		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
				WO 2003-DK722	W	20031027
AT	472526	T	20100715	AT 2003-757741		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
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ES	2345882	T3	20101005	ES 2003-757741		20031027
				DK 2002-1631	A	20021028
				DK 2003-793	A	20030526
IN	2005DN01364	A	20080808	IN 2005-DN1364		20050405
IN	232024	A1	20090403			
				DK 2002-1631	A	20021028
				WO 2003-DK722	W	20031027
ZA	2005002814	A	20051018	ZA 2005-2814		20050407
				DK 2002-1631	A	20021028
MX	2005004402	A	20050726	MX 2005-4402		20050425

			DK 2002-1631	A	20021028
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			WO 2003-DK722	W	20031027
NO 2005002575	A	20050527	NO 2005-2575		20050527
			DK 2002-1631	A	20021028
			DK 2003-793	A	20030526
			WO 2003-DK722	W	20031027
AU 2010201560	A1	20100506	AU 2010-201560		20100419
			DK 2002-1631	A	20021028
			DK 2003-793	A	20030526
			AU 2003-273783	A3	20031027
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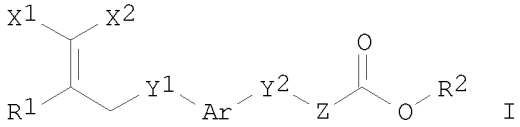
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 140:374984

GI



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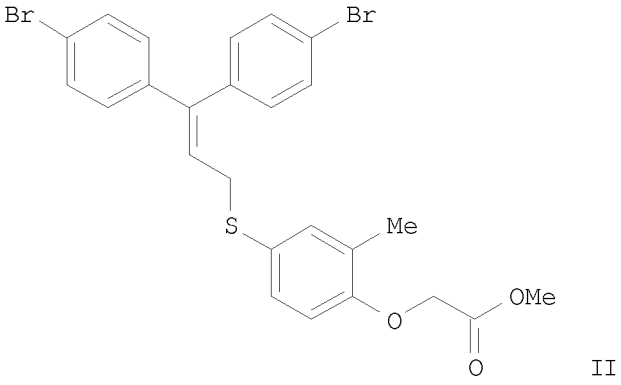

II

AB Title compds. I [wherein X1 and X2 = independently (un)substituted (hetero)aryl; Ar = (un)substituted arylene; Y1 and Y2 = independently O or S; Z = (CH2)n; n = 1-3; R1 = H, halo, or optionally halo-substituted (cyclo)alkyl, alkenyl, alkynyl, (hetero)aralkyl, (cyclo)alkoxy, aryloxy, (hetero)aralkoxy, (cyclo)alkylthio, or arylthio; R2 = H, (cyclo)alkyl, alkenyl, alkynyl, alkenynyl, or aryl; or pharmaceutically acceptable salts, solvates, tautomeric forms, stereoisomers, mixts. of stereoisomers, or polymorphs thereof] were prepared as peroxisome proliferator activated receptors (PPAR) activators (no data). Thus, I and their pharmaceutical compns. are useful for the treatment and/or prevention of conditions mediated by PPAR, particularly subtype PPARδ, such as diabetes, impaired glucose tolerance, insulin resistance, obesity, dyslipidemia, syndrome X, cardiovascular disease, and hypercholesteremia (no data). For example, coupling of 4,4'-dibromobenzophenone with tri-Et phosphonoacetate in toluene and THF using NaH provided Et 3,3-bis(4-bromophenyl)acrylate (73%). Reduction of the ester to the alc. (76%) using DIBAL-H in THF and toluene, followed by reaction with (4-mercapto-2-methylphenoxy)acetic acid Me ester in the presence of ADDP and tributylphosphine in THF gave II (88%).

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 35 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of biphenylallylsulfanylphenoxyacetates and related compounds for treating peroxisome proliferator activated receptor (PPAR) mediated diseases
AN 2004:370891 CAPLUS <<LOGINID::20110125>>
DN 140:391127
TI Preparation of biphenylallylsulfanylphenoxyacetates and related compounds for treating peroxisome proliferator activated receptor (PPAR) mediated diseases
IN Jeppesen, Lone; Pettersson, Ingrid; Sauerberg, Per; Pihera, Pavel; Havranek, Miroslav
PA Novo Nordisk A/S, Den.
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

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PI	WO 2004037775	A1	20040506	WO 2003-DK723		20031027
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				DK 2002-1629	A	20021028
	US 20050080115	A1	20050414	US 2003-692561		20031024
				DK 2002-1629	A	20021028
				US 2002-423644P	P	20021104
	CA 2503276	A1	20040506	CA 2003-2503276		20031027
				DK 2002-1629	A	20021028
				WO 2003-DK723	W	20031027
	AU 2003273784	A1	20040513	AU 2003-273784		20031027
				DK 2002-1629	A	20021028
				WO 2003-DK723	W	20031027
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				WO 2003-DK723	W	20031027
	CN 1708479	A	20051214	CN 2003-80102226		20031027
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	JP 2006503881	T	20060202	JP 2004-545734		20031027
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ES 2344106	T3	20100818		ES 2003-757742		20031027
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IN 2005DN01622	A	20070119		IN 2005-DN1622		20050421
				DK 2002-1629	A	20021028
				WO 2003-DK723	W	20031027
MX 2005004405	A	20050705		MX 2005-4405		20050425
				DK 2002-1629	A	20021028
				WO 2003-DK723	W	20031027
US 20060287393	A1	20061221		US 2006-439827		20060523
US 7709528	B2	20100504				
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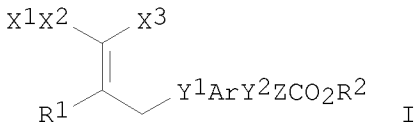
				US 2002-423644P	P	20021104
				US 2003-692561	B1	20031024

OS MARPAT 140:391127
GI



I

AB Title compds. [I; X1, X3 = (substituted) aryl, heteroaryl; X2, Ar = (substituted) aryl, arylene; Y1, Y2 = O, S; Z = (CH2)n; n = 1-3; R1 = H, halo, (substituted) alkyl, cycloalkyl, alkenyl, alkynyl, aralkyl, heteroaralkyl, alkoxy, cycloalkoxy, alkylthio, etc.; R2 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, etc.], were prepared for treatment of PPAR mediated disease (no data). Thus, [4-[3,3-bis-(4-bromophenyl)allylsulfanyl]-2-methylphenoxy]acetic acid (preparation given), PhB(OH)2, KF, Pd2(dba)3, and Pd[P(tBu)3]2 were stirred in THF to give [4-[3-biphenyl-4-yl-3-(4-bromophenyl)allylsulfanyl]phenoxy]acetic acid.

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of [[[bis(biphenylyl)allyl]oxy]phenoxy]acetic acids and analogs as PPARδ agonists for treatment of diabetes and related conditions
AN 2004:220310 CAPLUS <<LOGINID::20110125>>
DN 140:270625
TI Preparation of [[[bis(biphenylyl)allyl]oxy]phenoxy]acetic acids and analogs as PPARδ agonists for treatment of diabetes and related conditions
IN Jeppesen, Lone; Mogensen, John Patrick; Pettersson, Ingrid; Sauerberg, Per
PA Novo Nordisk A/s, Den.
SO PCT Int. Appl., 78 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004022533	A1	20040318	WO 2003-DK578	20030904

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
CA 2499380	A1	20040318		CA 2003-2499380		20030904
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
				WO 2003-DK578	W	20030904
AU 2003260282	A1	20040329		AU 2003-260282		20030904
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
				WO 2003-DK578	W	20030904
US 20040143006	A1	20040722		US 2003-654699		20030904
US 7091245	B2	20060815				
				DK 2002-1301	A	20020905
				US 2002-409814P	P	20020911
				DK 2003-784	A	20030523
EP 1537076	A1	20050608		EP 2003-793608		20030904

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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

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				WO 2003-DK578	W	20030904
BR 2003014335	A	20050726		BR 2003-14335		20030904
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
				WO 2003-DK578	W	20030904
CN 1688540	A	20051026		CN 2003-824179		20030904
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
JP 2005538153	T	20051215		JP 2004-533217		20030904
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
				WO 2003-DK578	W	20030904
MX 2005002411	A	20050527		MX 2005-2411		20050302
				DK 2002-1301	A	20020905
				DK 2003-784	A	20030523
				WO 2003-DK578	W	20030904
IN 2005DN00976	A	20091030		IN 2005-DN976		20050314
				DK 2002-1301	A	20020905
				WO 2003-DK578	W	20030904

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS MARPAT 140:270625
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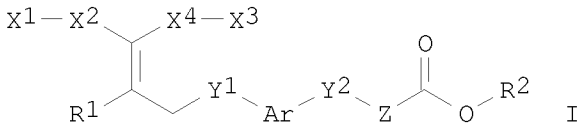

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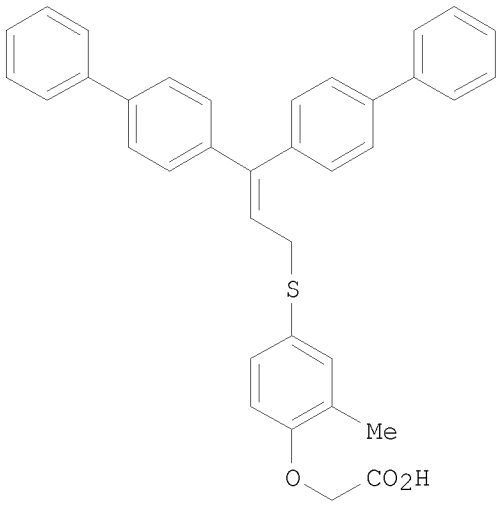

II

AB Title vinyl carboxylic acid derivs. I [wherein X1 and X3 = independently (un)substituted (hetero)aryl; X2 and X4 = independently (un)substituted (hetero)arylene; Ar = (un)substituted arylene; Y1 and Y2 = independently O or S; Z = (CH2)n; n = 1-3; R1 = H, halo, or (un)substituted (cyclo)alkyl, alkenyl, alkynyl, (hetero)aralkyl, (cyclo)alkoxy, aryloxy, (hetero)aralkoxy, (cyclo)alkylthio, arylthio; R2 = H, (cyclo)alkyl, alkenyl, alkynyl, or aryl; or pharmaceutically acceptable salts, solvates, tautomers, stereoisomers, or polymorphs thereof] were prepared as peroxisome proliferator-activated receptor δ (PPARδ) agonists (no data). For example, 4,4'-dibromobenzophenone was coupled with tri-Et phosphonoacetate in the presence of NaH in toluene to give Et 3,3-bis(4-bromophenyl)acrylate (73%). Reduction using DIBAL-H in THF (76%), followed by ADDP-catalyzed condensation with (4-mercapto-2-methylphenoxy)acetic acid Me ester in THF (88%) afforded [4-[3,3-bis(4-bromophenyl)allylsulfanyl]-2-methylphenoxy]acetic acid Me ester. Saponification (93%) and substitution with phenylboronic acid using KF, Pd2(dba)3, and Pd[P(t-Bu)3]2 in THF (53%) provided II. Also disclosed is the use of I and their pharmaceutical compns. for the treatment of PPARδ-mediated conditions, such as diabetes, impaired glucose tolerance, insulin resistance, or obesity (no data).

OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 37 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN

TI Preparation of phenoxyacetic acids and indanyloxyacetic acids that modulate PPAR activity

AN 2003:818386 CAPLUS <<LOGINID::20110125>>

DN 139:323345

TI Preparation of phenoxyacetic acids and indanyloxyacetic acids that modulate PPAR activity

IN Filzen, Gary Frederick; Trivedi, Bharat Kalidas; Geyer, Andrew George; Unangst, Paul Charles; Bratton, Larry Don; Auerbach, Bruce Jeffrey

PA Warner-Lambert Company LLC, USA
SO PCT Int. Appl., 246 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003084916	A2	20031016	WO 2003-IB1121		20030324
	WO 2003084916	A3	20031224			
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
	US 20030225158	A1	20031204	US 2003-347749		20030122
	US 6875780	B2	20050405			
				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
				US 2003-463641P	P	20030417
	CA 2481246	A1	20031016	CA 2003-2481246		20030324
	CA 2481246	C	20080722			
				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
				WO 2003-IB1121	W	20030324
	AU 2003212578	A1	20031020	AU 2003-212578		20030324
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				US 2002-386026P	P	20020605
				WO 2003-IB1121	W	20030324
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				US 2002-386026P	P	20020605
				WO 2003-IB1121	W	20030324
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				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
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				US 2002-386026P	P	20020605
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				US 2002-386026P	P	20020605
	NZ 554477	A	20080926	NZ 2003-554477		20030324
				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
				NZ 2003-535016	A3	20030324

TW 249522	B	20060221	TW 2003-107732		20030404
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			US 2002-386026P	P	20020605
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			US 2002-370508P	P	20020405
			WO 2003-IB1121	W	20030324
ZA 2004007008	A	20060628	ZA 2004-7008		20040902
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			US 2002-386026P	P	20020605
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US 39916	E1	20071106	US 2005-288022		20051128
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			US 2002-386026P	P	20020605
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			US 2004-979617	E	20041102
JP 2006151985	A	20060615	JP 2005-360431		20051214
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			JP 2003-582115	A3	20030324
IN 2007DN00528	A	20070824	IN 2007-DN528		20070119
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PATENT FAMILY INFORMATION:

FAN 2004:878169

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 20040209936	A1	20041021	US 2004-774260		20040206
	US 7244763	B2	20070717			
				US 2003-463641P	P	20030417
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	US 6875780	B2	20050405			
				US 2002-370508P	P	20020405
				US 2002-386026P	P	20020605
				US 2003-463641P	P	20030417
	CA 2522118	A1	20041028	CA 2004-2522118		20040405
				US 2003-463641P	P	20030417
				WO 2004-IB1178	W	20040405
	WO 2004091604	A1	20041028	WO 2004-IB1178		20040405

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GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG

			US 2003-463641P	P	20030417
EP 1620086	A1	20060201	EP 2004-725756		20040405
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			WO 2004-IB1178	W	20040405
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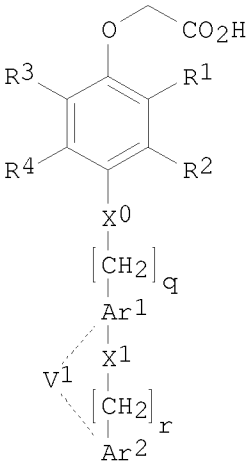
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 139:323345

GI



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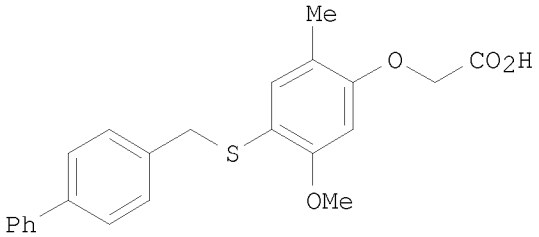

II

AB The title compds. [I; X0, X1 = O, S, CH2, CH:CH, etc.; Ar1, Ar2 = (un)substituted (hetero)aryl, provided that Ar1 is not thiazolyl or oxazolyl; V1 is absent or V1 = (un)saturated (un)substituted hydrocarbon chain having 1-4 atoms; R1, R2 = H, alkyl, alkoxy, etc.; R3, R4 = H, alkyl, alkoxy, etc.; q, r = 0-6] that alter PPAR activity, were prepared and formulated. E.g., a 7-step synthesis of II (starting from 2-hydroxy-4-methoxybenzaldehyde) which showed EC50 of >0-300 nM against PPARα and PPARβ, was given. The invention also discloses pharmaceutically acceptable compns. comprising the compds. I or their salts, and methods of using them as therapeutic agents for treating or preventing hyperlipidemia, hypercholesteremia, obesity, eating disorders, hyperglycemia, atherosclerosis, hypertriglyceridemia, hyperinsulinemia and

diabetes in a mammal as well as methods of suppressing appetite and modulating leptin levels in a mammal.

OSC.G 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 38 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of imidazole and benzimidazole derivatives that inhibit the interaction of ligands with RAGE
AN 2003:737580 CAPLUS <<LOGINID::20110125>>
DN 139:261298
TI Preparation of imidazole and benzimidazole derivatives that inhibit the interaction of ligands with RAGE
IN Mjalli, Adnan M. M.; Andrews, Robert C.; Gopalaswamy, Ramesh; Hari, Anitha; Avor, Kwasi; Qabaja, Ghassan; Guo, Xiao-Chuan; Gupta, Suparna; Jones, David R.; Chen, Xin
PA Transtech Pharma, Inc., USA
SO PCT Int. Appl., 462 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003075921	A2	20030918	WO 2003-US6749		20030305
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PATENT FAMILY INFORMATION:

FAN 2001:886043

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PI	WO 2001092210	A1	20011206	WO 2001-US17251		20010525
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FAN 2002:695779

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PI	WO 2002069965	A1	20020912	WO 2002-US6706		20020305
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FAN 2002:695943

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FAN 2005:14210

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FAN 2009:145901

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PI	US 20090035302	A1	20090205	US 2008-238087		20080925
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OS MARPAT 139:261298

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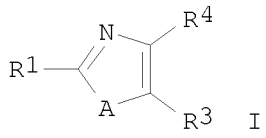

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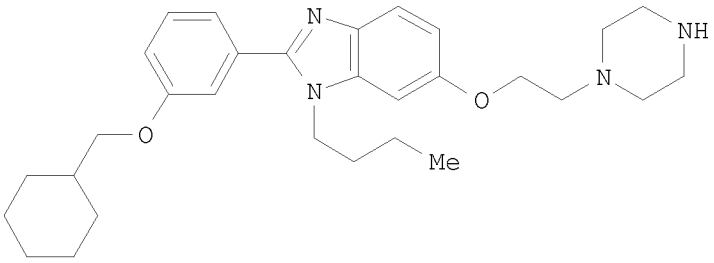

II

AB Title compds. and analogs I [wherein A = O, S, or NR2; R1 and R2 = independently H or (un)substituted (hetero)aryl, (cyclo)alkyl, heterocyclyl, alkenyl, alkynyl, alkylene(hetero)aryl, alkylene heterocyclyl, alkylene cycloalkyl, etc.; R3 and R4 = independently H, halo, OH, CN, CONH2, CO2H, or (un)substituted (hetero)aryl, (cyclo)alkyl, heterocyclyl, alkenyl, alkynyl, alkylene(hetero)aryl, alkylene heterocyclyl, alkylene cycloalkyl, etc.; and pharmaceutically acceptable salts thereof] were prepared as modulators of the interaction between the receptor for advanced glycated end products (RAGE) and its ligands, such as advanced glycated end products (AGEs), S100/calgranulin/EN-RAGE, β-amyloid, and amphoterin. For example,

1-BOC-4-[2-(4-amino-3-butylaminophenoxy)ethyl]piperazine was condensed with 3-hydroxybenzaldehyde to give the hydroxybenzimidazole. Coupling with cyclohexylmethyl bromide in the presence of NaH in THF afforded II. In binding studies employing S100b as the RAGE ligand, five hundred fifty-one invention compds. exhibited binding with IC50 values of < 10 μM. Thus, I and their pharmaceutical compns. are useful for the management, treatment, control, or as an adjunct treatment for diseases in humans caused by RAGE, including acute and chronic inflammation, the development of diabetic late complications such as increased vascular permeability, nephropathy, atherosclerosis, and retinopathy, the development of Alzheimer's disease, erectile dysfunction, and tumor invasion and metastasis (no data).

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 39 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Applications of genetic algorithms on 2D-QSAR analysis of benzofuran and benzothiophene biphenyls as PTP1B inhibitors
AN 2003:702655 CAPLUS <<LOGINID::20110125>>
DN 140:53160
TI Applications of genetic algorithms on 2D-QSAR analysis of benzofuran and benzothiophene biphenyls as PTP1B inhibitors
AU Pan, Yong-Mei; Ji, Ming-Juan
CS Graduate School, Chinese Academy of Sciences, Beijing, 100039, Peop. Rep. China
SO Wuli Huaxue Xuebao (2003), 19(8), 695-700
CODEN: WHXUEU; ISSN: 1000-6818
PB Beijing Daxue Chubanshe
DT Journal
LA Chinese
AB Quant. structure-activity relationships (QSARs) for 43 benzofuran and benzothiophene biphenyls were studied. By using a genetic algorithm (GA), a group of multiple regression models with high fitness scores (r2 was up to 0.70) were generated. From the statistical analyses of the descriptors used in the evolution procedure, four of them, including the partition coefficient (1 gP), the mol. surface area (Area), the mol. weight (MW), and the dipole vector (Dip) were found to be the principal features affecting the biol. activity. For example, the mol. surface area appeared in 94% of the models in the elite populations. That is to say, the hydrophobic interactions between the inhibitors and the receptors are very important to the biol. activity, which supplies a guide for the design and reconstruction of new PTP1B inhibitors.

L6 ANSWER 40 OF 51 CAPLUS COPYRIGHT 2011 ACS on STN
TI Preparation of (arylalkyl)thiazoles and oxazoles as peroxisome proliferator activated receptor modulators for treating diabetes mellitus, syndrome X, and cardiovascular disease
AN 2003:696734 CAPLUS <<LOGINID::20110125>>
DN 139:230768
TI Preparation of (arylalkyl)thiazoles and oxazoles as peroxisome proliferator activated receptor modulators for treating diabetes mellitus, syndrome X, and cardiovascular disease
IN Conner, Scott Eugene; Knobelsdorf, James Allen; Mantlo, Nathan Bryan; Schkeryantz, Jeffrey Michael; Shen, Quanrong; Warshawsky, Alan M.; Zhu, Guoxin
PA Eli Lilly and Company, USA
SO PCT Int. Appl., 223 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 139:230768

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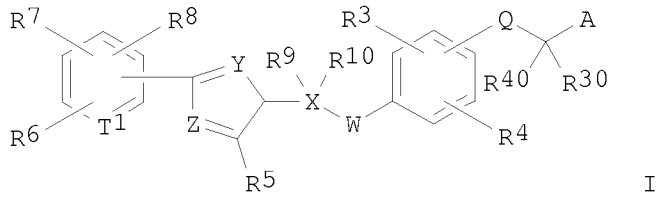

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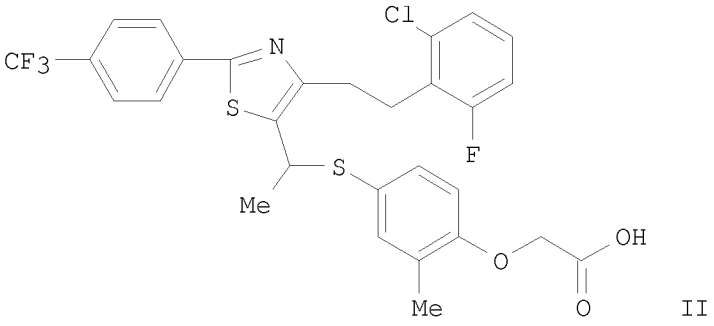

II

AB Title compds. I [wherein R3, R4, R30, and R40= independently H, alkyl, halo, or alkoxy; R5 = (un)substituted alkyl, alkenyl, aryl(oxy)alkyl, or arylthioalkyl; or when R5 = alkyl, R5 may be combined with W to form a heterocycloalkyl fused to the oxazole or thiazole ring; R6 = trihalomethyl, trihalomethoxy, (hydroxy)alkyl, alkylcarbamoyl, tetramethyldioxaborolanyl, halo, alkanoyl, carboxyalkoxy, (cyclo)alkoxy, tetrahydropyranyloxy, morpholinyl, or (un)substituted aryloxy, arylthio, heterocyclyloxy, pyridinyl, pyrimidinyl, pyrazinyl, or arylalkyl; R7 and R8 = independently H, CF3, or alkyl; R9 = (un)substituted (aryl)alkyl or alkenyl; R10 = H or alkyl; Q = a bond, O, or CH2; T1 = C or N; W = CH2, O, OCH2, S, SO2, or (un)substituted CONH, NH, or NHCH2; X = C, CH2C, or CCH2; Y and Z = independently O, N, or S wherein at least 1 of Y and Z = O or S; A = CO2H, alkylnitrile, CONH2, or (CH2)nCO2R19; n = 0-3; R19 = H or alkyl; and pharmaceutically acceptable salts thereof] were prepared as peroxisome proliferator activated receptor δ (PPARδ) modulators (no data). For example, (4-mercapto-2-methylphenoxy)acetic acid Et ester was condensed with 1-[4-[2-(2-chloro-6-fluorophenyl)ethyl]-2-(4-trifluoromethylphenyl)thiazol-5-yl]ethanol in the presence of PBu3 and 1,1'-(azodicarbonyl)bipiperidine in toluene. Deesterification with LiOH in THF produced II. I and their pharmaceutical compns. are useful for the prevention and or treatment of diabetes mellitus, syndrome X, and cardiovascular disease (no data).

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.81	345.14
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CA SUBSCRIBER PRICE	0.00	-13.92

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Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 11:45:25 ON 25 JAN 2011
FILE 'REGISTRY' ENTERED AT 11:45:25 ON 25 JAN 2011
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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For an explanation, enter "HELP SAVE".

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ANSWER SET NOT SAVED.
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Answer sets must be saved in the same file in which they were created.

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FILE COVERS 1907 - 25 Jan 2011 VOL 154 ISS 5
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

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